



# **STIC Search Report**

## **EIC 2100**

**STIC Database Tracking Number: 100664**

**TO: William C Vaughn**  
**Location:**  
**Art Unit : 2143**  
**Friday, August 15, 2003**

**Case Serial Number: 10033177**

**From: David Holloway**  
**Location: EIC 2100**  
**PK2-4B30**  
**Phone: 308-7794**

**david.holloway@uspto.gov**

### **Search Notes**

Dear Examiner Vaughn,

Attached please find your search results for above-referenced case.  
Please contact me if you have any questions or would like a re-focused search.

David



L Number	Hits	Search Text	DB	Time stamp
10	10	("6044372") or ("6148301") or ("6167408") or ("6266690") or ("6269369").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 13:09
11	16188	white.inv.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 13:10
12	7166	microsoft.asn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 13:10
13	11	microsoft.asn. and white.inv.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 13:24
14	3	(microsoft.asn. and white.inv.) and role	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 13:25
15	23950	(subscriber\$1 or publisher\$1 or client\$1 or user\$1) near3 (profile or preference\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:22
16	578	role adj base\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 13:43
17	16055	707/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 13:43
18	69	707/\$.ccls. and (role adj base\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:02
19	570	exchang\$4 near3 updat\$33 near3 (data or information)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:37
20	2	(exchang\$4 near3 updat\$33 near3 (data or information)) and (role adj base\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:02
21	27397	(subscriber\$1 or publisher\$1 or client\$1 or user\$1) near3 (profile\$1 or preference\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:22

22	32313	(subscriber or client or user\$1 or publisher\$1 or provider\$1) near5 (identity or role or characteristic\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:30
23	56309	updat\$3 near4 (information or preference\$1 or profile\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:31
24	1392	709/229.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:31
25	97580	exchang\$4 near5 (data or information or profile\$1 or preference\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:44
26	115	(updat\$3 near4 (information or preference\$1 or profile\$1)) and 709/229.ccls. and ((subscriber\$1 or publisher\$1 or client\$1 or user\$1) near3 (profile or preference\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:42
27	733	707/9.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:43
28	115	((updat\$3 near4 (information or preference\$1 or profile\$1)) and 709/229.ccls. and ((subscriber\$1 or publisher\$1 or client\$1 or user\$1) near3 (profile or preference\$1))) and 709/229.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:43
29	2	707/9.ccls. and (((updat\$3 near4 (information or preference\$1 or profile\$1)) and 709/229.ccls. and ((subscriber\$1 or publisher\$1 or client\$1 or user\$1) near3 (profile or preference\$1))) and 709/229.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:44
30	7453972	exchang\$4 near5 (data or information or profile\$1 or preference\$1) between (provider\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:45
31	53014	exchang\$4 near5 (data or information or profile\$1 or preference\$1) near5 between ner5 (providers)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:47
32	14	(exchang\$4 near5 (data or information or profile\$1 or preference\$1) near5 between ner5 (providers)) and 707/9.ccls. and 709/229.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:45
33	396	exchang\$4 near5 (data or information or profile\$1 or preference\$1) near5 between near5 (providers or servers or databases)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:50

34	7	(exchang\$4 near5 (data or information or profile\$1 or preference\$1) near5 between near5 (providers or servers or databases)) and 707/9.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:53
35	10196	(database\$1 or repository or datastore or (data adj store) or (data adj warehouse))near5 (profile\$1 or preference\$1 or characteristic\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:55
36	7702	(application or verification) adj server\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:55
37	49	((application or verification) adj server\$1) and (exchang\$4 near5 (data or information or profile\$1 or preference\$1) near5 between near5 (providers or servers or databases))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/06 14:55

S1 3 ((MULTIPLE OR PLURALITY OR VARIOUS) (W) SERVICE() PROVIDER?) -  
AND SHARE?(3N) ((USER OR CUSTOMER) () (PROFILE? OR CHARACTERISTI-  
C? OR PREFER?))

File 349:PCT FULLTEXT 1979-2002/UB=20030807,UT=20030731  
(c) 2003 WIPO/Univentio

File 654:US PAT.FULL. 1976-2003/Aug 14  
(c) FORMAT ONLY 2003 THE DIALOG CORP.

Set	Items	Description
S1	668100	(MULTIPL? OR SECOND OR 2ND OR ADDITIONAL? OR OUTSIDE? OR A-NOTHER? OR PLURALITY) (2N) (NETWORK? OR SYSTEM? OR PROVIDER?)
S2	1346970	(INDIVIDUAL? OR USER? OR PRIVATE? OR CUSTOMER? OR CONSUMER? OR SUBSCRIBER?) (4N) (INFORMATION? OR PRIVATE() DATA OR PROFILE? OR CHARACTERISTIC? OR PREFERENC?)
S3	19266918	SHARE? OR EXCHANGE? OR SWITCH? OR COMMON? OR DISTRIBUT? OR TRANSFER?
S4	14172794	UPDAT? OR MODIF? OR CHANGE? OR REVIS? OR EDIT? OR UP() DATE? OR UP() DATING
S5	82	S1(S) S2(3N) S3(S) S4
S6	45	S1(S) S2(2N) S4(S) S3
S7	118	S5 OR S6
S8	88	RD (unique items)
S9	79	S8 NOT PY>2001
S10	71	S9 NOT PD>20011022
S11	911601	(INDIVIDUAL? OR USER? OR PRIVATE? OR CUSTOMER? OR CONSUMER? OR SUBSCRIBER?) (2N) (INFORMATION? OR PRIVATE() DATA OR PROFILE? OR PREFERENC? OR CHARACTERISTIC? OR HISTOR?)
S12	49	S11 AND S10
File 275:Gale Group Computer DB(TM) 1983-2003/Aug 14 (c) 2003 The Gale Group		
File 47:Gale Group Magazine DB(TM) 1959-2003/Aug 06 (c) 2003 The Gale group		
File 636:Gale Group Newsletter DB(TM) 1987-2003/Aug 14 (c) 2003 The Gale Group		
File 16:Gale Group PROMT(R) 1990-2003/Aug 14 (c) 2003 The Gale Group		
File 624:McGraw-Hill Publications 1985-2003/Aug 13 (c) 2003 McGraw-Hill Co. Inc		
File 484:Periodical Abs Plustext 1986-2003/Sep W1 (c) 2003 ProQuest		
File 613:PR Newswire 1999-2003/Aug 15 (c) 2003 PR Newswire Association Inc		
File 813:PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc		
File 141:Readers Guide 1983-2003/Jul (c) 2003 The HW Wilson Co		
File 239:Mathsci 1940-2003/Sep (c) 2003 American Mathematical Society		
File 696:DIALOG Telecom. Newsletters 1995-2003/Aug 14 (c) 2003 The Dialog Corp.		
File 621:Gale Group New Prod. Annou. (R) 1985-2003/Aug 14 (c) 2003 The Gale Group		
File 674:Computer News Fulltext 1989-2003/Aug W2 (c) 2003 IDG Communications		
File 369:New Scientist 1994-2003/Aug W1 (c) 2003 Reed Business Information Ltd.		
File 160:Gale Group PROMT(R) 1972-1989 (c) 1999 The Gale Group		
File 635:Business Dateline(R) 1985-2003/Aug 14 (c) 2003 ProQuest Info&Learning		
File 15:ABI/Inform(R) 1971-2003/Aug 14 (c) 2003 ProQuest Info&Learning		
File 9:Business & Industry(R) Jul/1994-2003/Aug 14 (c) 2003 Resp. DB Svcs.		
File 13:BAMP 2003/Jul W4 (c) 2003 Resp. DB Svcs.		
File 810:Business Wire 1986-1999/Feb 28 (c) 1999 Business Wire		
File 610:Business Wire 1999-2003/Aug 15 (c) 2003 Business Wire.		
File 647:CMP Computer Fulltext 1988-2003/Jul W3 (c) 2003 CMP Media, LLC		
File 98:General Sci Abs/Full-Text 1984-2003/Jul (c) 2003 The HW Wilson Co.		
File 148:Gale Group Trade & Industry DB 1976-2003/Aug 14 (c) 2003 The Gale Group		

S1' 3 ((MULTIPLE OR PLURALITY OR VARIOUS) (W) SERVICE() PROVIDER?) -  
AND SHARE?(3N) ((USER OR CUSTOMER) () (PROFILE? OR CHARACTERISTI-  
C? OR PREFER?))

File 349:PCT FULLTEXT 1979-2002/UB=20030807,UT=20030731

(c) 2003 WIPO/Univentio

File 654:US PAT.FULL. 1976-2003/Aug 14

(c) FORMAT ONLY 2003 THE DIALOG CORP.

1/5,K/1 (Item 1 from File: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00761431

**A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PROVIDING COMMERCE-RELATED  
WEB APPLICATION SERVICES  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE DE  
SERVICES D'APPLICATION DANS LE WEB LIES AU COMMERCE**

Patent Applicant/Assignee:

ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US  
(Residence), US (Nationality)

Inventor(s):

GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,  
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,  
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,

Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,  
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073957 A2-A3 20001207 (WO 0073957)

Application: WO 2000US14420 20000525 (PCT/WO US0014420)

Priority Application: US 99321492 19990527

Designated States: AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY  
CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility  
model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH  
GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK  
(utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

International Patent Class: G06F-017/60; G06F-009/44

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 150171

**English Abstract**

A system, method, and article of manufacture are provided that afford a combination of commerce-related web application services. Various features are included such as allowing purchase of products and services via a displayed catalog. As an option, such catalog may be personalized. In various embodiments, a virtual shopping cart environment may be provided. Further, data, i.e. specifications, details, etc., relating to the products and services may be displayed along with a comparison between different products and services. Data relating to needs of a user may also be received for the purpose of outputting a recommendation of the products and services based on the inputted needs. Optionally, features of the products and services may be listed in order to allow the user to configure a specifically tailored product or service. Yet another aspect of the present invention includes outputting an estimate relating to a price and/or availability of the products and services. Further, an order for the products and services may be received after which a tax and a shipping fee are calculated. A status of the delivery of the ordered products and services may also be provided.

**French Abstract**

L'invention concerne un systeme, un procede et un article manufacture destines a la fourniture d'une combinaison de services d'application dans le Web lies au commerce. Le systeme presente plusieurs caracteristiques telles que l'achat de produits et de services grace a un catalogue affiche. En option, ce catalogue peut etre personnalise. Plusieurs modes de realisation peuvent comprendre un environnement de chariot de



'supermarche virtuel. En outre, des donnees, c.-a-d. des specifications, des details, etc., se rapportant aux produits et services peuvent etre affichees en meme temps qu'une comparaison entre differents produits et services. On peut aussi inclure des donnees relatives aux besoins d'un utilisateur afin de recommander des produits et services donnees sur la base des besoins entres. Eventuellement, on peut etablir une liste des caracteristiques des produits et services afin de permettre a l'utilisateur de configurer un produit ou un service personnalise. Dans un autre aspect de la presente invention, on peut produire une estimation du prix et/ou de la disponibilite des produits et services. En outre, une commande peut etre recue et une taxe et des frais d'expedition calcules. Un etat de l'expedition des produits et services commandes peut egalement etre etabli.

Legal Status (Type, Date, Text)

Publication 20001207 A2 Without international search report and to be  
republished upon receipt of that report.  
Examination 20010222 Request for preliminary examination prior to end of  
19th month from priority date  
Search Rpt 20010816 Late publication of international search report  
Republication 20010816 A3 With international search report.

Fulltext Availability:  
Detailed Description

Detailed Description

... based  
on a scalable real-time architecture.

Browser Customization

Business2 Business Customization Kit

enables Internet **service providers**, Internet content providers,  
hardware OEMs, and others to create customized versions of  
Product2.

Business2 Mission...right. These entities provide a necessary basis for  
performance and module design, which can be **shared** by all developers.

b) Is there a needfor a graphical depiction of the communication design  
...

1/5,K/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00418748 \*\*Image available\*\*

**SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS  
PROTECTION**

**SYSTEMES ET PROCEDES DE GESTION DE TRANSACTIONS SECURISEES ET DE PROTECTION  
DE DROITS ELECTRONIQUES**

Patent Applicant/Assignee:

INTERTRUST TECHNOLOGIES CORP,

Inventor(s):

GINTER Karl L,  
SHEAR Victor H,  
SIBERT W Olin,  
SPAHN Francis J,  
VAN WIE David M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9809209 A1 19980305

Application: WO 97US15243 19970829 (PCT/WO US9715243)

Priority Application: US 96706206 19960830

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW  
GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI  
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: G06F-001/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 195626

#### English Abstract

The present invention provides systems and methods for electronic commerce including secure transaction management and electronic rights protection. Electronic appliances such as computers employed in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Secure subsystems used with such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Secure distributed and other operating system environments and architectures, employing, for example, secure semiconductor processing arrangements that may establish secure, protected environments at each node. These techniques may be used to support an end-to-end electronic information distribution capability that may be used, for example, utilizing the "electronic highway".

#### French Abstract

La presente invention concerne des systemes et des procedes de commerce electronique comprenant une gestion de transactions securisees et la protection de droits electroniques. Des appareils electroniques tels que des ordinateurs utilises conformement a la presente invention contribuent a assurer que l'accès aux informations et l'utilisation des informations ne se font que par des voies autorisees et ils maintiennent l'integrite, la disponibilite et/ou la confidentialite des informations. Des sous-systemes securises utilises avec ces appareils electroniques constituent un environnement de distribution virtuel (VDE) reparti pouvant faire valoir une chaine securisee de traitement et de commande, par exemple, pour commander et/ou mesurer ou encore controler l'utilisation d'informations memorisees ou disseminees electroniquement. Cet environnement de distribution virtuel peut etre utilise pour proteger les droits de divers participants dans le commerce electronique et dans d'autres transactions electroniques ou dans lesquelles intervient l'electronique. Des environnements et des architectures de systemes repartis securises et autres systemes d'exploitation emploient, par exemple, des arrangements de traitement a semi-conducteurs securises pouvant etablir des environnements proteges securises a chaque noeud. On peut utiliser ces techniques pour apporter un soutien a une capacite de distribution d'informations electroniques de bout-en-bout pouvant etre utilisees, par exemple, en empruntant l'"autoroute electronique".

Fulltext Availability:

Detailed Description

#### Detailed Description

... effective, and  
fair electronic environment.

#### VDE Implementation

The preferred embodiment of the present invention includes **various** tools that enable system designers to directly insert VDE capabilities into their products. These tools...

5325677 \*\*IMAGE Available

Utility

Providing collaborative installation management in a network-based supply chain environment

Inventor: Mikurak, Michael G., Hamilton, NJ

Assignee: Accenture, LLP (02), Palo Alto, CA

Examiner: Khatri, Anil (Art Unit: 212)

Law Firm: Oppenheimer Wolff & Donnelly, LLP

Combined Principal Attorneys: Nader, Rambed

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6606744	A	20030812	US 99444654	19991122

US Classification on document (Main): 717174 (X-ref): 717174; 717178;  
705026

International Classification (Edition 1): G06F-009/445

Examiner Field of Search (US): 717168; 717170; 717171; 717174; 717177;  
717172; 717102; 717176; 717178; 705001; 705021; 705026; 705028; 709201;  
709217; 709227

Cited US Patents:

Patent Number	Date YYYYMM	Main US Class	Inventor
US 4491947	198501		Frank
US 4972453	199011		Daniel
US 5109337	199204		Ferriter
US 5159685	199210		Kung
US 5297031	199403		Guttermann
US 5483637	199601		Winokur
US 5495610	199602	709221	Shing
US 5513343	199604		Sakano
US 5539877	199607		Winokur
US 5611048	199703	713202	Jacobs
US 5621663	199704		Skagerling
US 5646864	199707		Whitney
US 5655068	199708		Opoczynski
US 5694546	199712		Reisman
US 5696975	199712	717168	Moore
US 5729735	199803		Meyering
US 5761502	199806		Jacobs
US 5764543	199806		Kennedy
US 5768501	199806		Lewis
US 5819028	199810		Manghirmalani
US 5832196	199811		Croslin
US 5864483	199901		Brichta
US 5864662	199901		Brownmiller
US 5883955	199903		Ronning
US 5890175	199903		Wong
US 5893905	199904		Main
US 5895454	199904		Harrington
US 5907490	199905		Oliver
US 5953707	199909		Huang
US 5974391	199910		Hongawa
US 5974395	199910	705009	Bellini
US 5974403	199910		Takriti
US 5987423	199911		Arnold
US 5999525	199912		Krishnaswamy
US 6006016	199912		Faigon
US 6006196	199912		Feigin
US 6058426	200005		Godwin
US 6067525	200005		Johnson
US 6104868	200008		Peters
US 6105069	200008	709229	Franklin
US 6151582	200011		Huang
US 6157915	200012	705007	Bhaskaran

US 6167378	200012		Weber, Jr.
US 6195697	200102		Bowman-Amuah
US 6199204	200103	717178	Donohue
US 6219700	200104	709222	Chang
US 6253339	200106		Tse
US 6256676	200107	709246	Taylor
US 6289462	200109	713201	McNabb
US 6314565	200111	717171	Kenner
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Fulltext Word Count: 156287

Number of Claims: 18

Exemplary or Independent Claim Number(s): 1

Number of Drawing Sheets: 130

Number of Figures: 130

Number of US cited patent references: 54

Number of non-patent cited references: 8

#### Abstract:

A system, method and article of manufacture are provided for collaborative installation management in a network-based supply chain environment. According to an embodiment of the invention, telephone calls, data and other multimedia information are routed through a network system which includes transfer of information across the internet utilizing telephony routing information and internet protocol address information. The system includes integrated Internet Protocol (IP) telephony services allowing a user of a web application to communicate in an audio fashion in-band without having to pick up another telephone. Users can click a button and go to a call center through the network using IP telephony. The system invokes an IP telephony session simultaneously with the data session, and uses an active directory lookup whenever a user uses the system. Users include service providers and manufacturers utilizing the network-based supply chain environment.

#### What is claimed is:

Exemplary or Independent Claim(s):

1. A method for collaborative installation management in a network-based supply chain, comprising the steps of:
  - a) transmitting data over a network during a data session for managing an installation;
  - b) allowing communication, in an audio fashion in-band, over the

network during the data session between at least one service provider and at least one manufacturer;  
c) routing the communication over the network via a user action; and  
d) limiting the communication over the network based on a user profile.

Non-exemplary or Dependent Claim(s):

2. A method as recited in claim 1, wherein the data session is initiated by a web browser.
3. A method as recited in claim 1, wherein the user action is a selection of a button on a user interface by a user.
4. A method as recited in claim 3, wherein the user interface includes a directory of information.
5. A method as recited in claim 4, wherein the directory includes telephone numbers of the at least one service provider and the at least one manufacturer.
6. A method as recited in claim 1, wherein the user profile is included on a rules database.
7. A system as recited in claim 1, further comprising a rules database having the user profile.
8. A system for collaborative installation management in a network-based supply chain, comprising:
  - a) logic that transmits data over a network during a data session for managing an installation;
  - b) logic that allows communication, in an audio fashion in-band, over the network during the data session between at least one service provider and at least one manufacturer;
  - c) logic that routes the communication over the network via a user action; and
  - d) logic that limits the communication over the network based on a user profile.
9. A system as recited in claim 8, further comprising a web browser that initiates the data session.
10. A system as recited in claim 8, wherein the user action is a selection of a button on a user interface by a user.
11. A system as recited in claim 10, wherein the user interface includes a directory of information.
12. A computer program embodied on a computer readable medium for collaborative installation management in a network-based supply chain, comprising:
  - a) a code segment that transmits data over a network during a data session for managing an installation;
  - b) a code segment that allows communication, in an audio fashion in-band, over the network during the data session between at least one service provider and at least one manufacturer;
  - c) a code segment that routes the communication over the network via a user action; and
  - d) a code segment that limits the communication over the network based on a user profile.
13. A system as recited in claim 12, wherein the directory includes telephone numbers of the at least one service provider and the at least one manufacturer.
14. A computer program as recited in claim 13, wherein the data session is initiated by a web browser.
15. A computer program as recited in claim 13, wherein the user action is a selection of a button on a user interface by a user.
16. A computer program as recited in claim 15, wherein the user interface includes a directory of information.
17. A computer program as recited in claim 16, wherein the directory includes telephone numbers of the at least one service provider and the at least one manufacturer.
18. A computer program as recited in claim 13, wherein the user profile is included on a rules database.

Description of the Invention:

...embodiment of the present invention, milestone based project planning may be facilitated between the matched **service provider** and the ...In an embodiment of the present invention, collaborative

forecasting may also be facilitated between **service providers** and manufacturers utilizing the network. In another embodiment of the present invention, collaborative network roll..

Set	Items	Description
S1	668100	(MULTIPL? OR SECOND OR 2ND OR ADDITIONAL? OR OUTSIDE? OR A-NOTHER? OR PLURALITY) (2N) (NETWORK? OR SYSTEM? OR PROVIDER?)
S2	1346970	(INDIVIDUAL? OR USER? OR PRIVATE? OR CUSTOMER? OR CONSUMER? OR SUBSCRIBER?) (4N) (INFORMATION? OR PRIVATE() DATA OR PROFILE? OR CHARACTERISTIC? OR PREFERENC?)
S3	19266918	SHARE? OR EXCHANGE? OR SWITCH? OR COMMON? OR DISTRIBUT? OR TRANSFER?
S4	14172794	UPDAT? OR MODIF? OR CHANGE? OR REVIS? OR EDIT? OR UP() DATE? OR UP() DATING
S5	82	S1(S) S2(3N) S3(S) S4
S6	45	S1(S) S2(2N) S4(S) S3
S7	118	S5 OR S6
S8	88	RD (unique items)
S9	79	S8 NOT PY>2001
S10	71	S9 NOT PD>20011022
S11	911601	(INDIVIDUAL? OR USER? OR PRIVATE? OR CUSTOMER? OR CONSUMER? OR SUBSCRIBER?) (2N) (INFORMATION? OR PRIVATE() DATA OR PROFILE? OR PREFERENC? OR CHARACTERISTIC? OR HISTOR?)
S12	49	S11 AND S10
File 275:		Gale Group Computer DB(TM) 1983-2003/Aug 14 (c) 2003 The Gale Group
File 47:		Gale Group Magazine DB(TM) 1959-2003/Aug 06 (c) 2003 The Gale group
File 636:		Gale Group Newsletter DB(TM) 1987-2003/Aug 14 (c) 2003 The Gale Group
File 16:		Gale Group PROMT(R) 1990-2003/Aug 14 (c) 2003 The Gale Group
File 624:		McGraw-Hill Publications 1985-2003/Aug 13 (c) 2003 McGraw-Hill Co. Inc
File 484:		Periodical Abs Plustext 1986-2003/Sep W1 (c) 2003 ProQuest
File 613:		PR Newswire 1999-2003/Aug 15 (c) 2003 PR Newswire Association Inc
File 813:		PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc
File 141:		Readers Guide 1983-2003/Jul (c) 2003 The HW Wilson Co
File 239:		Mathsci 1940-2003/Sep (c) 2003 American Mathematical Society
File 696:		DIALOG Telecom. Newsletters 1995-2003/Aug 14 (c) 2003 The Dialog Corp.
File 621:		Gale Group New Prod. Annou. (R) 1985-2003/Aug 14 (c) 2003 The Gale Group
File 674:		Computer News Fulltext 1989-2003/Aug W2 (c) 2003 IDG Communications
File 369:		New Scientist 1994-2003/Aug W1 (c) 2003 Reed Business Information Ltd.
File 160:		Gale Group PROMT(R) 1972-1989 (c) 1999 The Gale Group
File 635:		Business Dateline(R) 1985-2003/Aug 14 (c) 2003 ProQuest Info&Learning
File 15:		ABI/Inform(R) 1971-2003/Aug 14 (c) 2003 ProQuest Info&Learning
File 9:		Business & Industry(R) Jul/1994-2003/Aug 14 (c) 2003 Resp. DB Svcs.
File 13:		BAMP 2003/Jul W4 (c) 2003 Resp. DB Svcs.
File 810:		Business Wire 1986-1999/Feb 28 (c) 1999 Business Wire
File 610:		Business Wire 1999-2003/Aug 15 (c) 2003 Business Wire.
File 647:		CMP Computer Fulltext 1988-2003/Jul W3 (c) 2003 CMP Media, LLC
File 98:		General Sci Abs/Full-Text 1984-2003/Jul (c) 2003 The HW Wilson Co.
File 148:		Gale Group Trade & Industry DB 1976-2003/Aug 14 (c) 2003 The Gale Group

12/3,K/2 (Item 2 from File: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

02255879 SUPPLIER NUMBER: 53459165 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**LDAP gets a voice. (Lightweight Directory Access Protocol works with voice as well as data) (Technology Information)**  
Johnson, Kevin  
Communications News, 35, 12, 50(1)  
Dec, 1998  
ISSN: 0010-3632 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1088 LINE COUNT: 00098

... its own directory and administration interface, resulting in increased workload, duplication of effort, inconsistency in **information**, and untimely **user** service.

START WITH VOICE IN MIND

Voice systems need to be included in directory services...

...mail systems) to be an integral part of an enterprise's integrated directory service. Telephone **information** about a **user** can be **shared** directly with other enterprise directories that rely on that same data. Entries for phone system users in other enterprise directories (e.g., electronic mail, security, human resources) can be automatically **updated** with phone information housed in the voice directory, as opposed to manually entering the information multiple times. Moves, adds, and **changes** (e.g., new hires, dismissals, and transfers) within an organization can be entered into a...

...propagated through the various directory services affected, as opposed to having to manually enter these **changes** into **multiple** directory **systems**.

Furthermore, LDAP-enabled voice directories can share information between one another. In the future, information...



12/3,K/4 (Item 4 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

01675053 SUPPLIER NUMBER: 15022569 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Borland Office 2.0 for Windows. (integrated productivity application that  
includes Borland International and WordPerfect products) (Software  
Review) (Previews) (Evaluation)**

Gilbert, Dan

Which Computer?, v17, n2, p22(1)

Feb, 1994

DOCUMENT TYPE: Evaluation ISSN: 0140-3435 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 445 LINE COUNT: 00036

... Windows for Workgroups.

The OBEX system has several advantages for networked users: the ability to **share** data across a wide variety of **network systems** to **multiple** users; subscribers to data not needing the source application to be able to use the data; and live **updating** of **information** --once a **user** has subscribed to the data and put it into an application, any subsequent changes by...

12/3,K/8 (Item 8 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

01384321 SUPPLIER NUMBER: 09604991 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
AT&T Information Systems: PMX/StarMail. (Software Review) (one of 21  
evaluations of electronic mail software packages in 'LAN E-mail  
software.') (evaluation)  
Thompson, M. Keith  
PC Magazine, v9, n20, p302(2)  
Nov 27, 1990  
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 793 LINE COUNT: 00064

... can communicate and transfer files through StarMail post offices as  
the network expands.

PMX/DDS ( **D**istributed Directory Service) makes managing large  
networks simple. With PMX/DDS, network administrators centrally manage all  
the users for **multiple PMX systems** . **Network** managers add and **change**  
**user information** only once, and the various e-mail systems **share** and  
**update user information** across any communications available to the  
network--such as X.25 and leased telephone line...

'12/3,K/10 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

03898447 Supplier Number: 50064529 (USE FORMAT 7 FOR FULLTEXT)

-IBM: IBM delivers sales force automation solutions for e-business

M2 Presswire, pN/A

June 10, 1998

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 890

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...COMMUNICATIONS LTD RDATE:090698 -- SuperSELL\* Improves Sales Force Productivity With Remote Access to Corporate and **Customer Sales Information** Through an Easy-to-Use Web Browser Interface. IBM today announced an industry-leading Web...

...to deliver better service and improve sales. IBM's new SuperSELL v. 4, WEB Enterprise **Edition** SFA offering helps a company's sales force conduct e-business and better serve customers...

...remotely access their centralized corporate networks or the Internet/intranets using a standard Web browser. **Users** can **share** and **exchange information** such as inventory levels and **customer sales history** quickly and easily while connected to the **network**. **Additionally**, they can opt to download data to a PC or laptop to "surf," review, and **update** information while disconnected. Since SuperSELL supports robust data synchronization, mobile users can reconnect at any time to send and receive **modified** information with the corporate server. With SuperSELL, your sales force will never be out of touch. SuperSELL WEB **Edition** also provides companies with: \*Decreased learning curve for users to become proficient. The advanced functionality of SuperSELL WEB Enterprise **Edition** is delivered through the look and feel of Web pages, accessed and manipulated within a...

...Active X\*\*, and HTML. Thus, companies may use them with little customization or may easily **modify** the applications to fit particular business needs. Since SuperSELL leverages "open" Web technologies, companies can...

...more. Companies have the ability to read, write, and transfer data among these data storage **systems** or among **multiple** databases on different servers automatically. In the face of globalization and deregulation, fragmentation of traditional...

...Services. LaFrankie continued, "Previously, it was more difficult for sales personnel to access, manage, and **share** sales **information**, such as **customer profiles**, marketing **information**, and sales histories, information on which they rely to deliver optimal sales performance and service...

12/3,K/36 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2003 Resp. DB Svcs. All rts. reserv.

2135680 Supplier Number: 02135680 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**IBM Unveils Secure E-Business Products**  
(IBM introduced new elements of its eNetwork security software that make it  
easier to secure and manage global IT resources)  
InternetWeek, p 16  
May 11, 1998  
DOCUMENT TYPE: Journal ISSN: 0746-8121 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 291

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...eNetwork Software security rollout includes eNetwork LDAP directory, a cross-platform directory server for storing **user** and security **information**; IBM Global Sign-On, for secure log-in entry; and IBMKey Works, a full key...

...an Internet technology company.

Cross-platform directory services based on LDAP will let administrators centrally **update user** and configuration **information** across **multiple** applications, **networks** and systems, according to Robert Kalka, business manager for **distributed** systems at IBM.

"IBM eNetwork LDAP server will ship across all IBM operating systems and...

12/3,K/37 (Item 1 from file: 610)  
DIALOG(R)File 610:Business Wire  
(c) 2003 Business Wire. All rts. reserv.

00567424 20010806218B8124 (USE FORMAT 7 FOR FULLTEXT)  
**Pegasystems Delivers PegaCRM Healthcare**  
Business Wire  
Monday, August 6, 2001 08:59 EDT  
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 812

...payment automation and exception research functions.

PegaCRM Healthcare features and benefits:

- Interface capabilities can bridge **multiple** back-end **systems** and facilitate the bi-directional **transfer** of real-time **customer information** leveraging existing technology and helping with time-to-market;
- Business process automation helps improve productivity...

...and

- increase CSR satisfaction;
- Rules-driven technology empowers business users, not just IT staff, to **change** the rules that drive application behavior, facilitating rapid response to changing business requirements;
- Multi-level...

Set	Items	Description
S1	150163	(MULTIPL? OR SECOND OR 2ND OR ADDITIONAL? OR OUTSIDE? OR A-NOTHER? OR PLURALITY) (2N) (NETWORK? OR SYSTEM? OR PROVIDER?)
S2	104821	(INDIVIDUAL? OR USER? OR PRIVATE? OR CUSTOMER? OR CONSUMER? OR SUBSCRIBER?) (4N) (INFORMATION? OR PRIVATE() DATA OR PROFILE? OR CHARACTERISTIC? OR PREFERENC?)
S3	5830497	SHARE? OR EXCHANGE? OR SWITCH? OR COMMON? OR DISTRIBUT? OR TRANSFER?
S4	4573561	UPDAT? OR MODIF? OR CHANGE? OR REVIS? OR EDIT? OR UP() DATE? OR UP() DATING
S5	78	S1 AND S2 AND S3 AND S4
S6	1491	S2(3N)S4
S7	11	S5 AND S6
S8	7	RD (unique items)
S9	16	S1(5N)S3 AND S5
S10	21	S8 OR S9
S11	20	RD (unique items)
S12	20	S11 NOT PY>2003
S13	20	S12 NOT PD>20030314
File	8: Ei Compendex(R)	1970-2003/Aug W1 (c) 2003 Elsevier Eng. Info. Inc.
File	35: Dissertation Abs Online	1861-2003/Jul (c) 2003 ProQuest Info&Learning
File	65: Inside Conferences	1993-2003/Aug W2 (c) 2003 BLDSC all rts. reserv.
File	2: INSPEC	1969-2003/Aug W1 (c) 2003 Institution of Electrical Engineers
File	94: JICST-EPlus	1985-2003/Aug W1 (c) 2003 Japan Science and Tech Corp(JST)
File	111: TGG Natl. Newspaper Index(SM)	1979-2003/Aug 14 (c) 2003 The Gale Group
File	233: Internet & Personal Comp. Abs.	1981-2003/Jul (c) 2003, EBSCO Pub.
File	144: Pascal	1973-2003/Aug W1 (c) 2003 INIST/CNRS
File	99: Wilson Appl. Sci & Tech Abs	1983-2003/Jul (c) 2003 The HW Wilson Co.

13/5/13 (Item 3 from file: 2)  
DIALOG(R) File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5743264 INSPEC Abstract Number: B9712-6250F-104

Title: **A study on the capacity analysis of wide area radio trunking system**  
Author(s): Nak-Myeong Kim  
Author Affiliation: Dept. of Electr. Eng., Ewha Woman's Univ., South Korea

Journal: Journal of the Korean Institute of Telematics and Electronics  
vol.34S, no.4 p.1-11

Publisher: Korea Inst. Telematics & Electron,

Publication Date: April 1997 Country of Publication: South Korea

CODEN: CKNOEZ ISSN: 1016-135X

SICI: 1016-135X(199704)34S:4L:1:SCAW;1-E

Material Identity Number: N523-97018

Language: Korean Document Type: Journal Paper (JP)

Treatment: Practical (P); Theoretical (T); Experimental (X)

Abstract: In this paper, modeling of the communication channel occupancy characteristics at the base station in the wide area radio trunking system has been performed. Using the results, mathematical analysis for the **switching** capacity at the network **switch** has also been done. Specifically, we propose a G/M/m queueing model for the single service area modeling, and analyze **changes** in call blocking probabilities according to **changes** in the burstness characteristics of group paging calls. As a result, we have observed that the channel occupancy variations become larger as the burstness characteristics become more apparent, to make the call blocking probability higher. Next, based on the single service area analysis, we have analyzed mathematically the average **switching** capacity required to serve mobile subscribers for a wide area radio trunking **system**, where **multiple switching** port assignments are required when the people in the same group are **distributed** over several base stations. Accordingly, we have observed that the average and the variance of **switching** channel occupancy are closely related to the mobility **characteristics** of **subscribers**, and that we need a network **switch** having bigger capacity as subscribers show wider **distribution**. With the call dropping probability within 0.2%, a **switch** about 5 to 6 times bigger can be required, compared with the one when the mobility of subscribers is mostly restricted to a single service area. (13 Refs)

Subfile: B

Descriptors: channel capacity; land mobile radio; paging communication; queueing theory; telecommunication **switching**

Identifiers: capacity analysis; wide area radio trunking system; communication channel occupancy; **switching** capacity; G/M/m queueing model; single service area modeling; call blocking probabilities; burstness characteristics; group paging calls; mobile subscribers; network **switch**

Class Codes: B6250F (Mobile radio systems); B6150J (Queueing systems)

Copyright 1997, IEE

13/5/17 (Item 1 from File: 94)

DIALOG(R)File 94:JICST-EPlus

(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

05415344 JICST ACCESSION NUMBER: 03A0233113 FILE SEGMENT: JICST-E  
**Proposal of Architecture for Integration of Distributed Learning  
Information: The Framework for Interoperating Learning Management  
Systems.**

TANAKA YOSHIKAZUMI (1); MATSUI TATSUNORI (1); OKAMOTO TOSHIO (1)

(1) Univ. Electro-Communications, Graduate School of Information Systems,  
JPN

Jinko Chino Gakkai Chiteki Kyoiku Shisutemu Kenkyukai Shiryo(SIG-IES), 2003  
, VOL.37th, PAGE.39-44, FIG.7, TBL.1, REF.12

JOURNAL NUMBER: L1424AAG ISSN NO: 0918-5674

UNIVERSAL DECIMAL CLASSIFICATION: 681.3.02:37 681.3.02+

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: This study proposes the "eL-Directory", which manages  
**distributed** Learning Information on **multiple** Learning Management  
**Systems** (LMS) and realizes the interoperation of LMS. eL-Directory can  
control and integrated learning Information such as teaching materials,  
learning histories, and **users profiles**, by using logical tree  
structure. The logical tree structure based on the concept of  
**distributed** directory service, can realize the integration of  
**distributed** information on **multiple** learning **systems**. Moreover,  
eL-Directory use LOM and LIP format as the international standards for  
management of learning information. The experiment is conducted to  
investigate the usability of eL-Directory. The result shows that  
eL-Directory has advantages of reusability and portability of learning  
information. (author abst.)

DESCRIPTORS: CAI; dissemination of information; internet; decentralization;  
directory; interoperability; information retrieval; teaching material;  
reuse; conceptual schema; standard(specification); system evaluation;  
system architecture; data

IDENTIFIERS: metadata; evaluation experiment; e-Learning

BROADER DESCRIPTORS: education and training; computer application;  
utilization; **distribution** of information; **distribution** (marketing);  
computer network; communication network; information network; network;  
**modification**; operating system; system program; computer program;  
software; interconnection; connection; retrieval; database schema;  
standard; evaluation; computer architecture; computer  
system(architecture); method

CLASSIFICATION CODE(S): JE09000G; JE15050M



13/5/18 (Item 2 from File: 94)

DIALOG(R) File 94:JICST-EPlus

(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

02615269 JICST ACCESSION NUMBER: 96A0206848 FILE SEGMENT: JICST-E  
A Distributed **User-Interface for cooperative management of subscriber access networks.**

FUKUI SHINGO (1); OISHI KAZUTOSHI (1); FUJI HIROKO (1); EGASHIRA TOORU (1)  
(1) NEC Corp.

Joho Shori Gakkai Kenkyu Hokoku, 1996, VOL.96,NO.12(DPS-74 GW-15),  
PAGE.143-148, FIG.5, REF.4

JOURNAL NUMBER: Z0031BAO ISSN NO: 0919-6072

UNIVERSAL DECIMAL CLASSIFICATION: 621.394/.395 681.3.02.002  
681.51:007.51

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: **Distributed** DUALQUEST is a **distributed** user-interface for cooperative management of subscriber access **networks** by **multiple** operators. With **Distributed** DUALQUEST, management work can be divided among operators, both by geographic area of responsibility and by task type. **Distributed** DUALQUEST also provides a function by which operators are able to **share** a **common** window, and a function for supervising the work of operators. Bifocal display method is adopted for the main window, in which a magnified section and compressed sections of the network can be displayed seamlessly. Operators can always monitor **individual** house level **information** as well as overall network status. (author abst.)

DESCRIPTORS: communication network; communication monitoring; user interface; operator(worker); **distributed** processing; groupware; subscription communication; visualization; human interface; cooperative work

BROADER DESCRIPTORS: information network; network; monitoring; communication administration; management; interface; job classified employee; worker; treatment; application program; computer program; software; telecommunication; **modification**

CLASSIFICATION CODE(S): ND11010T; JD02020C; IB03000G

13/5/19 (Item 1 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
(c) 2003, EBSCO Pub. All rts. reserv.

00676795 02CW12-112

**New replication software deposits data at Bank One**

Mearian, Lucas

Computerworld , December 9, 2002 , v36 n50 p12, 1 Page(s)

ISSN: 0010-4841

Company Name: Bank One; PeerDirect

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Reports that Bank One Corp. is using data replication technology developed by PeerDirect Corp. to send information from thousands of its offices to servers in different data centers for backup and disaster recovery purposes. Explains that Bank One has been using the software to synchronously replicate security monitoring data from 2,300 branch offices between two data centers. Mentions that the PeerDirect **Distributed** Enterprise suite can replicate any combination of relational databases in realtime, letting **users** continuously **update information** across their **distributed** systems. Notes that the software is running on three Compaq ProLiant servers at the data centers. Says that data is replicated back and forth between remote-office and corporate databases via **multiple networking** protocols. Includes a diagram. (MEM)

Descriptors: Data Communication; Backup; Data Transmission; Disaster Recovery; Database; **Distributed** Computing; Enterprise Computing

Identifiers: Bank One; PeerDirect

Set	Items	Description
S1	148286	(MULTIPL? OR SECOND OR 2ND OR ADDITIONAL? OR OUTSIDE? OR A-NOTHER? OR PLURALITY) (2N) (NETWORK? OR SYSTEM? OR PROVIDER?)
S2	77270	(INDIVIDUAL? OR USER? OR PRIVATE? OR CUSTOMER? OR CONSUMER? OR SUBSCRIBER?) (4N) (INFORMATION? OR PRIVATE() DATA OR PROFILE? OR CHARACTERISTIC? OR PREFERENC?)
S3	1151939	SHARE? OR EXCHANGE? OR SWITCH? OR COMMON? OR DISTRIBUT? OR TRANSFER?
S4	1425491	UPDAT? OR MODIF? OR CHANGE? OR REVIS? OR EDIT? OR UP() DATE? OR UP() DATING
S5	728	S1(S)S2(S)S3(S)S4
S6	5768	S2(2N)S3
S7	219	S5 AND S6
S8	15	S7 AND IC=G06F-015?
S9	16	S5 AND IC=G06F-015/16
S10	23	S8 OR S9
S11	23	IDPAT (sorted in duplicate/non-duplicate order)
S12	23	IDPAT (primary/non-duplicate records only)

File 348:EUROPEAN PATENTS 1978-2003/Jul W03

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030807,UT=20030731

(c) 2003 WIPO/Univentio

12/5,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

01389978

METHOD OF USING MULDI-MEDIA INFORMATION, SYSTEM AND PROGRAM RECORDING  
MEDIUM THEREFOR

VERFAHREN ZUR BENUTZUNG VON MULTIMEDIA-INFORMATIONEN, SYSTEM UND  
PROGRAMMAUFZEICHNUNGSMEDIUM DAFUR

PROCEDE D'UTILISATION D'INFORMATIONS MULTIMEDIA ET SYSTEME ET SUPPORT  
D'ENREGISTREMENT DE PROGRAMMES ASSOCIES

PATENT ASSIGNEE:

JAPAN SCIENCE AND TECHNOLOGY CORPORATION, (2211031), 1-8, Honcho 4-chome,  
Kawaguchi-shi, Saitama 332-0012, (JP), (Applicant designated States:  
all)

INVENTOR:

KODAMA, Mei, 2-2-5, Hesakaizue, Higashi-ku, Hiroshima-shi, Hiroshima  
732-0016, (JP)

LEGAL REPRESENTATIVE:

Vinsome, Rex Martin (74163), Urquhart-Dykes & Lord St Nicholas Chambers  
Amen Corner, Newcastle-Upon-Tyne NE1 1PE, (GB)

PATENT (CC, No, Kind, Date): EP 1306776 A1 030502 (Basic)  
WO 2001095150 011213

APPLICATION (CC, No, Date): EP 2001936836 010601; WO 2001JP4674 010601

PRIORITY (CC, No, Date): JP 2000169459 000606

DESIGNATED STATES: DE; FI; FR; GB; NL

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/30; **G06F-015/00** ; G06F-013/00

ABSTRACT EP 1306776 A1

Multi-media (MM) information are flexibly reproduced, edited, processed  
and re-transmitted in conformity with users' needs. A plurality of  
elements of MM information are distributed, stored and used via a control  
terminal (4) for distributing and controlling information between a  
transmission terminal (1) and a reception terminal (2). MM information  
are stored in a package and distributed. MM information has container  
information for identifying MM information as one unit, content  
information constituted of media information itself, and

ABSTRACT WORD COUNT: 77

NOTE:

Figure number on first page: 5

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 020206 A1 International application. (Art. 158(1))

Application: 020206 A1 International application entering European  
phase

Application: 030502 A1 Published application with search report

Examination: 030502 A1 Date of request for examination: 20021231

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200318	2363
SPEC A	(English)	200318	8642
Total word count - document A			11005
Total word count - document B			0
Total word count - documents A + B			11005

...INTERNATIONAL PATENT CLASS: **G06F-015/00**

...SPECIFICATION for each service section are shown. The using forms are  
divided into searching, browser (Br), **editing** , summarizing and others.  
An O-shaped mark is given to a related available function. An...

...multimedia information and being selected and used by a used;  
- Article service: automatically processing searched/ **transferred** MM  
information in accordance with the number of days having passed since the  
**transferred** data;

- Communication: exchanging MM **information** among multiple **users** ;
- **Edit** : creating and **editing** new MM information;
- Presentation: reporting/presenting in a conference, for example, by using MM information; and
- Information supply: introducing one piece of MM information to **another MM system** . Features of an example of a configuration of an MM information system according to the...presence of the MM information in multiple sending terminals fast, which improves the usability. The **transferring user** (the provider of MM **information** ( can improve the quality of the service by showing MM information other than the MM **information** held by the **transferring user** itself, which can improve the usability for ...can retrieve at least heading information in container information fast, which improves the convenience for **users** .

(Usage For **Transferring Information** To Mobile Terminal In Accordance With Priority: Secretary Function)

A priority can be given to...

...When the user has a mobile terminal separately from the receiving terminal, and when the **user** can **transfer** the content **information** including the heading and the document from the receiving terminal to the mobile terminal, the...

...having low-resolution information TB and high-resolution information TE. At a step S502, the **user A transfers** MM **information** from the receiving terminal 2 to the receiving terminal 3 through the transfer system 4...

...image information sent from one user to the other can be reused so as to **exchange** MM **information** . While the **users** A and B are communicating to each other, the sending terminal 1 and the management...

12/5,K/2 (Item 2 from File: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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01281923

**DATA PROVIDING SYSTEM AND METHOD THEREFOR**  
**DATENVERMITTELNDES SYSTEM UND VERFAHREN HIERZU**  
**SYSTEME ET PROCEDE PERMETTANT DE FOURNIR DES DONNEES**  
**PATENT ASSIGNEE:**

Sony Corporation, (214028), 7-35, Kitashinagawa 6-chome, Shinagawa-ku,  
Tokyo 141-0001, (JP), (Applicant designated States: all)

**INVENTOR:**

NONAKA, Akira Sony Corporation, 7-35, Kitashinagawa 6-chome Shinagawa-ku,  
Tokyo 141-0001, (JP)  
EZAKI, Tadashi Sony Corporation, 7-35, Kitashinagawa 6-chome Shinagawa-ku  
, Tokyo 141-0001, (JP)

**LEGAL REPRESENTATIVE:**

Korber, Martin, Dipl.-Phys. (88321), Mitscherlich & Partner Patentanwalte  
Sonnenstrasse 33, 80331 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1132828 A1 010912 (Basic)  
WO 200122242 010329

APPLICATION (CC, No, Date): EP 2000961019 000914; WO 2000JP6308 000914

PRIORITY (CC, No, Date): JP 99309721 990917; JP 99309722 990917

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-015/00 ; G10K-015/02

CITED PATENTS (WO A): XP 2936774 ; XP 2936775

**CITED REFERENCES (WO A):**

WO 9627155 A3  
JP 10161937 A  
US 5701343 A  
JP 11085504 A  
WO 9810381 A1

'Network gata ongaku contents ryutsu platform ni kansuru kousatsu'  
MULTIMEDIA, BUNSAN, KYOCHO TO MOBILE (DICOMO'98) SYMPOSIUM RONBUNSHU 08  
July 1998, pages 587 - 593, XP002936774

'Record sangyo ni okeru ongen data base no network ryutsu' RESEARCH  
REPORT, INFORMATION PROCESSING SOCIETY OF JAPAN (IPSJ) vol. 98, no. 85  
(98-EIP-2), 19 September 1998, pages 105 - 111, 2.SOGO ONGAKU DB  
KOUCHIKU NO KOUSOU, XP002936775;

**ABSTRACT EP 1132828 A1**

To provide a data providing system able to protect the interests of  
interested parties of a data providing apparatus. The content provider  
101 distributes a secure container 104 storing content data encrypted  
using content key data, content key data encrypted using distribution key  
data, and encrypted usage control policy data showing handling of the  
content data to a SAM 1051)) of a user home network 103. The SAM 1051))  
etc. decrypts the content key data and usage control policy data stored  
in the secure container 104 and determines the handling such as the  
purchase form and usage form of the content data based on the decrypted  
usage control policy data.

ABSTRACT WORD COUNT: 111

**NOTE:**

Figure number on first page: 1

**LEGAL STATUS (Type, Pub Date, Kind, Text):**

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Application: 010523 A1 International application entering European  
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Application: 010912 A1 Published application with search report  
Examination: 010912 A1 Date of request for examination: 20010515

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200137	31025
SPEC A	(English)	200137	92868

Total word count - document A 123893  
Total word count - document B 0  
Total word count - documents A + B 123893

INTERNATIONAL PATENT CLASS: G06F-015/00 ...

...SPECIFICATION apparatus decrypts the content key data and the usage control policy data stored in the **distributed** key file and determines the handling of the **distributed** content data based on the related decrypted usage control policy data.

Also, a data providing...of a 30th aspect of the present invention is a data providing method using a **plurality** of data providing apparatuses, a data distribution apparatus, a plurality of management apparatuses, a database...is determined based on the related decrypted usage control policy data.

Also, a data providing **system** of a 38th aspect of the present invention is a data providing system for distributing...

...usage control policy data indicating the handling of the content data, the data providing apparatus **distributes** a module storing the content data encrypted by using the content key data and the...produced content files and the produced key files to corresponding data providing apparatuses, the data **distribution** apparatus **distributes** the content files and key files obtained from the database device to the data processing...apparatus decrypts the content key data and the usage control policy data stored in the **distributed** key files and determines the handling of the content data stored in the **distributed** content files based on the related decrypted usage control policy data.

Also, a data providing...

...invention is a data providing method using a plurality of data providing apparatuses, a data **distribution** apparatus, a plurality of management apparatuses, a database device, and a data processing apparatus, wherein ...

...provided by corresponding data providing apparatuses, send the related produced key files to corresponding data **distribution** apparatus, the data **distribution** apparatus **distributes** the content files obtained from the database device and the key files provided from the...

...apparatus decrypts the content key data and the usage control policy data stored in the **distributed** key files and determines the handling of the content data stored in the **distributed** content files based on the related decrypted usage control policy data.

Also, a data providing...

...invention is a data providing method using a plurality of data providing apparatuses, a data **distribution** apparatus, a plurality of management apparatuses, a database device, and a data processing apparatus, wherein ...

...apparatuses, and provide the related produced key files to the data processing apparatus, the data **distribution** apparatus **distributes** the content files obtained from the database device to the data processing apparatus by using...

...the provided key files and determines the handling of the content data stored in the **distributed** content files based on the related decrypted usage control policy data.

Also, a data providing...

...the present invention is a data providing method using a data providing apparatus, a data **distribution** apparatus, and a data processing apparatus, wherein the data providing apparatus provides a first module ...

...encrypted usage control policy data indicating the handling of the content data to the data **distribution** apparatus, performs charge

processing in units of content data based on log data received from the data processing apparatus, performs profit **distribution** processing for **distributing** the profit paid by interested parties of the data processing apparatus to interested parties of the related data providing apparatus and interested parties of the data **distribution** apparatus, the data **distribution** apparatus **distributes** a second module storing the encrypted content data, content key data and usage control policy...

...apparatus decrypts the content key data and the usage control policy data stored in the **distributed** module, determines the handling of the content data based on the related decrypted usage control...

...the present invention is a data providing method using a data providing apparatus, a data **distribution** apparatus, a data processing apparatus, and a management apparatus, wherein the data providing apparatus provides content data, the data **distribution** apparatus **distributes** the content file provided from the data providing apparatus or a content file in accordance...

...decrypts the usage control policy data stored in the key file received from the data **distribution** apparatus or the management apparatus, determines the handling of the content data stored in the content file received from the data **distribution** apparatus or the management apparatus based on the related decrypted usage control policy data, and further **distributes** the content file and key file received from the data **distribution** apparatus or the management apparatus to the other data processing apparatus.

Also, a data providing system of a 71st aspect of the present invention is a data providing system for **distributing** content data from a data providing apparatus to a data processing apparatus, wherein the data providing apparatus **distributes** a module storing content data encrypted by using content key data, the encrypted content key...

...apparatus decrypts the content key data and the usage control policy data stored in the **distributed** module and determines the handling of the content data based on the related decrypted usage...

...the present invention is a data providing system having a data providing apparatus, a data **distribution** apparatus, and a data processing apparatus, wherein the data providing apparatus **distributes** a first module storing content data encrypted by using content key data, the encrypted content...

...of the encryption, and parameters of a signal giving the content data to the data **distribution** apparatus, the data **distribution** apparatus **distributes** a second module storing the encrypted content data, content key data, and the usage control...

...apparatus decrypts the content key data and the usage control policy data stored in the **distributed** second module and determines the handling of the content data based on the related decrypted...

...the present invention is a data providing system having a data providing apparatus, a data **distribution** apparatus, and a data processing apparatus, wherein the data providing apparatus **distributes** a first module storing content data encrypted by using content key data, the encrypted content...

...encrypted usage control policy data indicating the handling of the content data to the data **distribution** apparatus, the data **distribution** apparatus encrypts a plurality of second modules storing the encrypted content data, content key data, and the usage control policy data stored in the provided first module by using a **common** key obtained by mutual certification with the data processing apparatus, and then **distributes** the same to the data processing apparatus by using a predetermined communication protocol but in...

...communication protocol, and the data processing apparatus has a first processing circuit for decrypting the **distributed** plurality of second



modules by using the **common** key, selecting a single or plurality of second modules from among the related decrypted plurality of second modules, and performing charge processing with respect to a **distribution** service of the second modules and a tamper resistant second processing circuit receiving the selected...content data,

Fig. 32 is a view for explaining the flow of processing in a **transferring** side SAM in a case where the content file which is downloaded on a download...

...network apparatus shown in Fig. 25 and with a purchase form already determined therefor is **transferred** to the SAM of an AV apparatus,

Fig. 33 is a view of the flow of the data in the **transferring** side SAM in the case shown in Fig. 32,

Figs. 34A to 34D are views...

...input content file etc. in a RAM type or ROM type storage medium in the **transferring** side SAM in the case shown in Fig. 32,

Fig. 36 is a view for...

...the purchase form not yet determined in the AV apparatus in the user home network, **transferring** this to another AV apparatus, and writing the same in a RAM type storage medium,

Fig. 39 is a view of the flow of the data in the **transferring** side SAM in the case shown in Fig. 38,

Figs. 40A to 40C are views for explaining the format of the secure container **transferred** from the **transferring** side SAM to a **transferred** side SAM in Fig. 38,

Fig. 41 is a view of the flow of data in the **transferred** side SAM in the case shown in Fig. 38,

Figs. 42A to 42F are views...

12/5,K/10 (Item 10 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00948152 \*\*Image available\*\*

**TARGET INFORMATION GENERATION AND AD SERVER**  
**GENERATION D'INFORMATIONS CIBLES ET SERVEUR DE PUBLICITES**

Patent Applicant/Assignee:

YODLEE COM INC, 3600 Bridge Park Way, 2nd Floor, Redwood Shores, CA 94065  
, US, US (Residence), US (Nationality)

Inventor(s):

SANKURATRIPATI Subhash, 1200 Dale Avenue, #15, Mountain View, CA 95050,  
US,  
SRIVASTAVA Jaideep, 1105 Vasquez Ave., Sunnyvale, CA 94086, US,  
SHANBHAG Dinesh K, 1166 Sunnyvale-Saratoga Road, #34, Sunnyvale, CA 94087  
, US,

Legal Representative:

BOYS Donald R (agent), P.O. Box 187, Aromas, CA 95004, US,

Patent and Priority Information (Country, Number, Date):

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Priority Application: US 2001827011 20010404

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

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Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9860

**English Abstract**

An advertisement selection and delivery system for selecting advertisements based on profile information and rendering the advertisements as accessible to a user (17) operating a network-capable appliance connected to a data-packet-network is provided. The system comprises, a first server node (23, 25, 27) connected to the network (11), the first server node functioning as a user access point on the network, a mass storage repository accessible to the first server node, the repository for storing and serving user profile data, a second server node (29 and 31) connected to the network, the second server node for generating user preference data, at least one advertisement server (19 and 21) connected to the network, the advertisement server for serving advertisement data, a software application for generating user preference lists and performing advertisement selection and at least one network-capable appliance connected to the network the network-capable appliance for receiving the advertisement data. A user operating the network-capable appliance accesses the first server node and receives the advertisement data, the advertisement data selected for service by matching the user preference data to stored advertisements and rendered accessible to the user during the time of user access to the system from the network-capable appliance.

**French Abstract**

L'invention concerne un systeme de selection et de diffusion de publicites concu pour choisir des publicites sur la base d'informations de profil et rendre lesdites annonces accessibles a un utilisateur (17) exploitant un appareil en reseau connecte a un reseau de donnees par paquets. Le systeme comprend un premier noeud de serveur (23, 25, 27) connecte au reseau (11), qui fonctionne comme point d'accès de

l'utilisateur sur le reseau, un organe central de stockage de grande capacite accessible au premier noeud de serveur, destine a stocker et a servir les donnees de profil de l'utilisateur, un second noeud de serveur (29 et 31) connecte au reseau, destine a generer des donnees des preferences de l'utilisateur, au moins un serveur de publicites (19 et 21) connecte au reseau, destine a servir des donnees de publicites, une application logicielle destinee a generer des listes des preferences de l'utilisateur et a effectuer une selection de publicites et au moins un appareil en reseau connecte au reseau et destine a recevoir des donnees de publicites. Un utilisateur exploitant l'appareil en reseau accede au premier noeud de serveur et recoit les donnees de publicites, qui sont choisies par comparaison des donnees des preferences de l'utilisateur avec les publicites stockees et rendues accessibles a l'utilisateur lors de son acces au systeme a partir de l'appareil en reseau.

Legal Status (Type, Date, Text)

Publication 20021017 A1 With international search report.

Main International Patent Class: G06F-015/16

International Patent Class: G06F-015/177

Fulltext Availability:

Detailed Description

Detailed Description

... services and the user's profile may generate automated reports detailing certain aspects of the **user's profile** for selective **distribution** to paying clients. Secure information such as credit card numbers, Social Security numbers, personal identification...a received preference list is performed by one machine within the domain of the service **provider**.

According to **another** embodiment, step 73 comprises immediate receipt and propagation of preference lists to ad servers (59...

...identification, association and delivery according to data contained in a preference list is performed by **distributed** software (60 of Fig. 3). The **preference** category and **user profile information** 71 are continually **updated** and provided to the target ad server where the **user profiles** are catalogued and matched with the products and services of the ad partners, Fig. 3...

12/5,K/12 (Item 12 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00927917 \*\*Image available\*\*

**MOBILE COMPUTING AND COMMUNICATION**  
**INFORMATIQUE ET COMMUNICATION MOBILES**

Patent Applicant/Assignee:

KARGO INC, 74 Franklin Street #3, New York, NY 10013, US, US (Residence),  
US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

ESKIN Eleazar, 935 Stanford Street, Santa Monica, CA 90403, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

FEIGENBAUM David L (agent), Fish & Richardson, P.C., 225 Franklin Street,  
Boston, MA 02110-2804, US,

Patent and Priority Information (Country, Number, Date):

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KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 12300

**English Abstract**

An application development platform (100) enables applications (110) to be created easily for, e.g., mobile devices (112, 113) that have short-range wireless communication capability. The development platform exposes a carefully chosen core set of services through an API (114). Each of the applications can broadcast its services to local and remote devices. Message delivery between devices is guaranteed even for messages that cannot be delivered directly by local short-range wireless transmission. Message delivery through other channels, including the Internet (148), can occur transparently to the user. Each device can be associated with an "owner" (150, 152), which can be a person or an entity. Services can be customized to the owner based on stored information that maps owners to devices. Information associated with each of the owners of devices can be stored centrally and used in connection with providing the services at each of the mobile devices. Virtual GPS capabilities can be provided for mobile devices that do not have GPS chips.

**French Abstract**

L'invention concerne une plate-forme de developpement d'applications permettant de creer facilement des applications, p. ex. pour des dispositifs mobiles comportant une fonction de telecommunication sans fil a courte portee. La plate-forme de developpement presente par l'intermediaire d'une API un ensemble de services de base soigneusement selectionnes. Chacune des applications peut transmettre ses services a des dispositifs locaux et distants. La remise de messages entre dispositifs est garantie, meme pour les messages ne pouvant pas etre remis directement par transmission locale sans fil a courte portee. La remise de messages par d'autres canaux, y compris l'Internet, peut etre mise en oeuvre de maniere transparente pour l'utilisateur. Chaque dispositif peut etre associe a un "proprietaire", qui peut etre une

personne ou une entite. Les services peuvent etre personnalises selon les besoins du proprietaire en fonction d'informations stockees faisant correspondre proprietaires et dispositifs. Des informations associees a chaque proprietaire de dispositif peuvent etre stockees de maniere centralisee et utilisees conjointement avec la fourniture de services a chacun des dispositifs mobiles. Des fonctions virtuelles GPS peuvent etre fournies aux dispositifs mobiles ne comportant pas de puces GPS.

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Republication 20030227 A3 With international search report.  
Examination 20030424 Request for preliminary examination prior to end of 19th month from priority date

Main International Patent Class: G06F-015/16

Fulltext Availability:

Claims

Claim

... had the GPS chip on-board. As shown in figure 1, the invention provides a **common** software development platform 100 that enables developers to easily, quickly, and effectively build a wide...

...have short-range wireless communication capabilities, such as those provided by the Bluetooth standard. The **common** software development platform provides core functions and features 1 1 6 that can be invoked ...

...reach of the short-range wireless communication capabilities of the mobile device. Based on the **common** development platform and the API that it presents to developers, 12 any developer can easily create applications that **change** the way individuals interact with one another and with their environments. The platform enables a...

...functions. In addition to the initial ease of creating the applications, the use of a **common** development platform leads to applications that are inter-compatible, more uniform, and 1 5 more standardized. The **common** development platform includes a client module 140, a server module 144, and a link...

...of a device is known to the client, server, and link modules. An owner may **change**, for example, when a person lends his mobile telephone to **another** person. The **system** stores information about the owners of the devices in a centralized database 132 to...

...the person and his current telephone number. The information could also include demographic information and **user**-entered **preferences** about products, services, and **user** interfaces. One benefit of having the information accessible to the servers and clients is that...

...it is possible to create a broad range of portable, standardized applications that make fundamental **changes** in the way people interact with the world around them.

14  
Broadcast of services  
The development...

...Because the client, link, and server provide the basic core capability of finding, storing, and **editing** personalization information in a central database 132, the applications built on the modules can provide ...

...or other device. The device can include a touch-sensitive display 123 to allow the **user** to view **information** and interact with the device, a keypad 170, a keyboard 172, a mouse 174, or...unregister) services from

the list in the registry 141.

1 7

The client module makes **information** about the **user** (owner) of a device and the services available from that device by a periodic broadcast...that tracks the devices associated with each user. The server module can support the HyperText **Transfer** Protocol (HTTP) and WAP, as well as other technologies, to send and receive messages. In...

...to the server, for example, to access the personalization system 26 and to enter or **edit** personalized information. One of the service applications 1 1 5 (figure 1) provided with the client module 14 allows the **user** to modify personal **information** and preferences stored by the personalization system. A "**changepersonalizationdata**" function (shown in figure 4G) can be used for that purpose. The user also can...

...to various pieces of 0 data stored in the personalization system and associated with that **user**. For example, **user information** stored in the personalization system may be designated as **shared** or public using the "**Changepersonalizationpermissions**" function (shown in figure 4I).  
'One of the service applications running on one user...

...411). Access is denied if a particular user does not have permission to access another **user's profile**. All relevant data from the personalization system is loaded dynamically through a link when the user logs on to the server. Thus, **user information** stored at the client device can be **updated** regularly to keep it synchronized with the data stored in the personalization system. An administrative graphical user interface (GUI) is associated with the server to allow an administrator to **change** configurations for users manually. The administrative GUI also allows an administrator to analyze the load on resources used by the server, test and debug

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the server, and access **user information** stored in the personalization system if the user permits such access.

GUARANTEED DELIVERY

In general...

...client device (see figure 2). As shown in figure 7, the client module includes a **transfer** module 30 that provides an

22

interface to communications media, including the Bluetooth chip 32...

...that permits mobile telephone communications, an infrared port 36, or other communications channels 38. The **transfer** module 30 references a socket or equivalent layer of each communications media available to the device and manages the communications media. The **transfer** module 30 passes received messages to a confirmation manager 40 and provides information to the communications manager about the available communications media. The **transfer** module 30 can be requested by the confirmation manager 40 to send messages over a...broadcasts and retrieves local service application settings from the registry 18. Additionally, the communications manager **updates** the information about other devices in the registry 18 based on server messages and registry...

...the communications manager 42. Information stored in the personalization system 132 can be accessed or **modified** (assuming permission is granted) through the personalization module 48. The personalization module 48 serves as an interface to the personalization system 132 and provides access to **user information**, **user preferences**, and **user permissions** stored in the personalization system. The personalization module 48 is capable of caching information...

...passes 11 14 the encrypted message and an identification of the specified channel to the **transfer** module 30. The **transfer** module 30 then sends 11 16 the encrypted message over the specified communication channel. If...

...not receive a confirmation within a specified time frame, it re-sends the message. The **transfer** module in the recipient device receives 1 1

18 the encrypted message and passes it...

...list of received messages and generates 1122 a confirmation message that is passed to the **transfer** module in the recipient device. The **transfer** module sends 1 124 the 1 5 confirmation message over the same communication channel over which the original message arrived. The **transfer** module 30 in the sending device 12 receives the confirmation message and passes 1126 it...

12/5,K/16 (Item 16 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00805406 \*\*Image available\*\*

**DISTRIBUTED CACHE SYNCHRONIZATION PROTOCOL**  
**PROTOCOLE DE SYNCHRONISATION D'ANTEMEMOIRE DISTRIBUEE**

Patent Applicant/Assignee:

UTSTARCOM INC, 1275 Harbor Bay Parkway, Alameda, CA 94502, US, US  
(Residence), US (Nationality)

Inventor(s):

ZHANG Greg, 1321 Klamath Drive, San Jose, CA 95130, US,

Legal Representative:

BOYCE Justin (agent), Oppenheimer Wolff & Donnelly LLP, 1400 Page Mill  
Road, Palo Alto, CA 94304, US,

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Priority Application: US 99166882 19991122; US 2000210342 20000607

Designated States: CN

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International Patent Class: G06F-012/00; G06F-012/08; G06F-013/14;

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Detailed Description

Claims

Fulltext Word Count: 27687

**English Abstract**

A process is provided for managing a distributed cache that stores cache information at a plurality of participating nodes of a network (100), the distributed cache including a plurality of cache entries each having an associated portion of the cache information, each of the participating nodes including an associated local memory storage system (131) for storing information including a local cache database (132) for storing locally owned ones of the cache entries. The process includes the steps of: performing topology discovery, maintenance, and hierarchy building sub-processes to establish a nodal hierarchy in the network in order to facilitate exchange of the cache entries between the participating nodes, the hierarchy being formed by a plurality of peer groups each including at least one associated member one of the participating nodes; and performing distributed cache synchronization (DCS) functions including copying and transferring selected ones of the cache entries to other ones of the participating nodes via the hierarchy in accordance with a DCS protocol.

**French Abstract**

L'invention concerne un procede permettant de gerer une antememoire distribuee qui stocke des informations d'antememoire au niveau de plusieurs noeuds participants d'un reseau (100). L'antememoire distribuee comprend plusieurs entrees d'antememoire, chacune d'elles possedant une partie associees aux informations d'antememoire. Chaque noeud participant comprend un systeme de stockage de memoire (131) locale associee permettant de stocker des informations, notamment une base de donnees (132) d'antememoire locale destinee a stocker certaines des entrees d'antememoire localement possedees. Le procede consiste a executer des sous-procedes de decouverte de topologie, de maintenance, et de construction de hierarchie afin d'etablir une hierarchie nodale dans le reseau, et faciliter l'echange des entrees d'antememoire entre les noeuds participants, ladite hierarchie etant formee de plusieurs groupes pairs, chacun d'eux comprenant au moins un element associe aux noeuds participants; et a executer des fonctions de synchronisation d'antememoire distribuee (DCS), notamment des fonctions selectionnees de copie et de transfert des entrees d'antememoire vers les autres noeuds participants via la hierarchie en fonction du protocole DCS.



Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be republished upon receipt of that report.

Examination 20010913 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20011004 Late publication of international search report

Republication 20011004 A3 With international search report.

...International Patent Class: G06F-015/00 ...

... G06F-015/16 ...

... G06F-015/17 ...

... G06F-015/163

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... mobile communications network of FIG. 3A;

FIGS. 4A through 4C are table diagrams generally illustrating **distributed** cache **information** including **subscriber profile information** stored at each of the base stations of the network of FIG. 3A; FIG. 5...

...As further explained below, the network 100 of the present invention provides for storing **subscriber profile information** in a **distributed** cache wherein each of the base stations 114 includes a local data base for storing **subscriber profile information**. The **distributed** cache is managed in accordance with a location update protocol supported by a distributed...the network 100, the base station associated with the coverage area must access the **profile** associated with the **subscriber** in order to perform communications functions such as call processing. In general, in accordance with the location **update** protocol of the present invention, the base station first searches its local cache database 132 (FIG. 313) to determine if the **profile** associated with the **subscriber** is already stored in the local cache database 132 of the local base station. If the particular **profile** associated with the **subscriber** is not already stored at the local base station, then the particular **subscriber profile** must be retrieved either from another one of the base stations 114 (retrieved via the **distributed** cache) or must be retrieved from the central database (retrieved via the centralized cache) through...

...is absolutely necessary as is fully explained below. After the base station retrieves the particular **subscriber profile**, the base station performs an authentication procedure on the profile, and assuming that it passes...

...stored locally. Generally, as the subscriber moves from one coverage area to another, the location **update** process of the present invention ensures that the profile migrates with him/her from one base station to **another**. From the **network**'s point of view, the location of the subscriber is the same as the location of its profile. The location **update** protocol is used to keep track of the 15 migration of **subscriber profiles** as the **subscriber** moves through the network. In accordance with the location **update** protocol, when a call is made for the subscriber, its location can be quickly determined...

...base station to another, and a handoff procedure is performed, the ownership of the profile **transfers** from the old base station to the new base station. The location of a subscriber...

...address of the particular one of the base stations 114, which currently owns the **subscribers**, **profile**. The location **update** protocol provides location management services which are supported by **distributed**

cache management services, implemented in accordance with the DCS protocol, which are in turn supported...

...of operation of the network I 00, call-processing services are supported by the location **update** protocol services.

FIG. 4A shows a table diagram illustrating a local subscriber list at 150 ...side, that is the old base station, may initiate the hand-off procedure which includes **transferring** the **subscriber profile** associated with the host from the ...a plurality of tuple field groups 777 each identifying a cache entry, and an associated **subscriber profile**, for which **transfer** is being requested. Each of the tuple field groups 777 includes: a node ID field...

...copy of a cache entry is required to be transferred from one node in the **network** to **another**, without any **transfer** of ownership of the cache entry. For example, in a call processing operation, a first one of the base stations 1 14 (FIG. 3A) initiating a call requests the current **subscriber profile** of a called party to determine if the called party is currently active, or...

...of the area, or inactive). The cache entry copy request message 8 1 0 is **transferred** from the base station initiating the call to an owner one of the base stations...

...party via point-to-point unicast methods. A cache entry copy message carrying the requested **subscriber profile**, as described below, is returned by the owner base station to the requesting base station...is used in supporting the location update protocol to transfer copies of cache entries including **subscriber profile** data from one node in the **network** to **another**, without any **transfer** of 1 5 ownership of the cache entry. As an example, the message 830 may be used in the supporting location **update** protocol for transmitting copies of **subscriber profiles** from one of the base stations 114 (FIG. 3A) to its associated mobile stations as further explained below. As another example, the message 830 may be used in call processing operations to transmit a copy of a **subscriber profile** from an owner base station associated with a called party to a requesting base station ...

...of nodes field 866; and at least one field sub-group 868.

Note that no **subscriber profile** keys are **exchanged** in the cache summary message 850.

The purpose of the cache summary message 850 is...As described with reference to flow diagrams below, the DCS protocol messages are used to **transfer** and copy **subscriber profiles** between base stations of the network, and also to announce the current location, or ownership... hand-off side (the old base station) may initiate the hand-off procedure which includes **transferring** the **subscriber profile** associated with the host from the old base station to the new base station. Depending...

...occurred.

From step 1062, the process proceeds to step 1064 in which the base station **transfers** the particular **subscriber profile** to a new base station. In **transferring** the particular **subscriber profile**, the local base station relinquishes ownership of the particular subscriber profile to the new base...

Claim

... OF A PARTICULAR SUBSCRIBER PROFILE r 1062

TO A NEW BASE STATION HAS OCCURRED.

IF

**TRANSFER PARTICULAR SUBSCRIBER PROFILE TO NEW BASE STATION /-1064**  
**UPDATE LOCAL SUBSCRIBER LIST BY DELETING 1066**  
**PARTICULAR SUBSCRIBER PROFILE...**

12/5,K/21 (Item 21 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00561854 \*\*Image available\*\*

**APPARATUS AND METHOD FOR AUTOMATED AGGREGATION AND DELIVERY OF ELECTRONIC  
PERSONAL INFORMATION OR DATA**

**APPAREIL ET PROCEDURE DE REGROUPEMENT ET DE MISE A DISPOSITION AUTOMATISEES DE  
DONNEES OU INFORMATIONS PERSONNELLES ELECTRONIQUES**

Patent Applicant/Assignee:

VERTICALONE CORPORATION,

Inventor(s):

FREISHTAT Gregg,  
PARNAS Leon,  
RAJAN Palaniswamy,  
BURSON Robert,  
KAIB Paul,  
ULBERG Dima,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200025227 A1 20000504 (WO 0025227)

Application: WO 99US25181 19991027 (PCT/WO US9925181)

Priority Application: US 98105917 19981028; US 99134395 19990517

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ

BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT

SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: **G06F-015/16**

International Patent Class: G06F-017/30

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 17064

**English Abstract**

A system for delivering personal information according to the present invention includes a user store (360) including end user data, a provider store (310) including information provider data, a personal information store (280) including personal information (375) and a processor that communicates with these data stores. The processor selects an end user for personal information aggregation. The processor connects with one or more information providers. The processor then proceeds to retrieve personal information for the selected end user from the connected information providers. This retrieval is based on end user data associated with the selected end user and provider data associated with the connected information providers. The retrieved personal information (375) is stored in the personal information store (280).

**French Abstract**

L'invention concerne un systeme concu pour fournir des informations personnelles, qui comporte une memoire de l'utilisateur (360) contenant les donnees relatives a l'utilisateur final, une memoire du fournisseur de services (310) contenant les donnees relatives au fournisseur d'informations, une memoire d'informations personnelles (280) contenant des informations personnelles (375) et un processeur qui communique avec ces memoires de donnees. Le processeur selectionne un utilisateur final pour le regroupement des informations personnelles. Le processeur se connecte a un ou plusieurs fournisseurs d'informations. Puis il extrait des fournisseurs d'informations les informations personnelles relatives a l'utilisateur final selectionne. Cette extraction d'informations est basee sur les donnees de l'utilisateur final associees a l'utilisateur final selectionne, et les donnees de fournisseurs d'informations associees aux fournisseurs d'informations connectes. Les informations personnelles extraites (375) sont memorisees dans la memoire d'informations personnelles (280).

Detailed Description

... combined with distributor and provider content to yield the content for the generated document. Stylistic **information** is accumulated from end **user preferences** and **distributor** and provider style information. An adaptably compliant electronic document is generated by applying the combined...to an end user 210 may, and most likely will, simultaneously serve as a PI **provider** .

In **another** embodiment, this formatting occurs via a dynamic HTML generation system combining stylistic and layout information...

...page layout, etc) from a variety of sources and content from a variety of sources. **Information** providers. **distributors** , the end **user** , the PI deliver component 350 or any combination of these sources, or other relevant sources...

...in with data. The data used in such pages may originate from such sources as **information** providers, **distributors** , the end **user** , the PI deliver component 350 or any combination of these sources, or other relevant sources...

Claim

... comprises a style source selected from the group consisting of an information provider server, a **distributor** server, a **user** terminal, a personal **information** deliver component, and combinations thereof.

33 The system of claim 3 1, wherein the style...

Set	Items	Description
S1	77540	(MULTIPL? OR SECOND OR 2ND OR ADDITIONAL? OR OUTSIDE? OR ANOTHER? OR PLURALITY) (2N) (NETWORK? OR SYSTEM? OR PROVIDER?)
S2	80040	(INDIVIDUAL? OR USER? OR PRIVATE? OR CUSTOMER? OR CONSUMER? OR SUBSCRIBER?) (4N) (INFORMATION? OR PRIVATE() DATA OR PROFILE? OR CHARACTERISTIC? OR PREFERENC?)
S3	3134126	SHARE? OR EXCHANGE? OR SWITCH? OR COMMON? OR DISTRIBUT? OR TRANSFER?
S4	1474670	UPDAT? OR MODIF? OR CHANGE? OR REVIS? OR EDIT? OR UP() DATE? OR UP() DATING
S5	118	S1 AND S2 AND S3 AND S4
S6	9	S5 AND IC=G06F-015/16
S7	18	S5 AND IC=G06F-015?
S8	42	S1 AND S2 AND S3 AND IC=G06F-015/16
S9	18	S8 AND MC=T01-J?
S10	32	S6 OR S7 OR S9
S11	32	IDPAT (sorted in duplicate/non-duplicate order)
S12	32	IDPAT (primary/non-duplicate records only)

File 347:JAPIO Oct 1976-2003/Apr(Updated 030804)  
(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200352  
(c) 2003 Thomson Derwent

12/5/1 (Item 1 from File: 350)  
DIALOG(R) File 350:Derwent WPIX  
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015420729 \*\*Image available\*\*  
WPI Acc No: 2003-482869/200345  
XRPX Acc No: N03-384003

**Establishing connections over a network by authenticating user logins and generating and transmitting handles corresponding to a given user account at different nodes where combining handles identifies the user account**

Patent Assignee: SUN MICROSYSTEMS INC (SUNM )

Inventor: ABRAHAMS L; ALLAVURPU S; BEATTY J D; ELLISON G; FINKELSTEIN S;  
HAPNER M; RANGANATHAM A; STERN H; YARED P

Number of Countries: 099 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200349000	A1	20030612	WO 2002US38575	A	20021204	200345 B

Priority Applications (No Type Date): US 2002365943 A 20021203; US  
2001337234 P 20011204; US 2001339536 P 20011210; US 2002365943 P 20020319

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200349000	A1	E 71	G06F-015/16	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM  
ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SI SK SL SZ TR TZ UG ZM  
ZW

Abstract (Basic): WO 200349000 A1

NOVELTY - A user login is received at a node and authenticated. It is also authenticated at a **second network** node and at both nodes a handle is generated relating to the user's account at that node to identify the user at that node. The handles are each passed to the other node and at each node the handles are combined to identify the user accounts at the nodes.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for

(a) a method of providing user authentication to a service provider by receiving at an identity provider an identification of the service provider and an assertion of user identity. The identity is verified to produce an identity credential which is passed to the service provider

(b) a method for linking user accounts by generating a handle for a user at an identity provider, sending the handle to a service provider which provides a second handle and **updating** a user directory associated with the user to include the second handle where the two handles may be combined to identify the user

(c) a method for trust chaining by providing a user account handle to link two system entities from both of which **user profiles** are requested

(d) a computer readable medium carrying instructions for trust chaining

(e) a system for trust chaining

(f) and a method for delegating a service by authenticating a user with an identity provider, requesting by a first service provider a ticket from the identity provider, sending the ticket to the first service provider to allow a **second service provider** to perform the delegated service

USE - In **distributed** computer networks to identify and authenticate users.

ADVANTAGE - Allows users to sign on and login at a single provider which authenticates and identifies the user and passes the identity and authentication to other service providers thus avoiding repeated signing on while enforcing privacy and allowing delegation.

DESCRIPTION OF DRAWING(S) - Figure 9 shows a single identity provider linked to two service providers.

pp; 71 DwgNo 9/24  
Title Terms: ESTABLISH; CONNECT; NETWORK; AUTHENTICITY; USER; GENERATE;  
TRANSMIT; HANDLE; CORRESPOND; USER; ACCOUNT; NODE; COMBINATION; HANDLE;  
IDENTIFY; USER; ACCOUNT  
Derwent Class: T01  
International Patent Class (Main): G06F-015/16  
File Segment: EPI

12/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015404241 \*\*Image available\*\*  
WPI Acc No: 2003-466381/200344  
XRPX Acc No: N03-370975

**Information distribution method in computer network, involves providing  
information services to individuals by selecting service provider  
based on request received from individual**

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG )

Inventor: SHTEYN Y E

Number of Countries: 027 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030037139	A1	20030220	US 2001933601	A	20010820	200344 B
WO 200317152	A2	20030227	WO 2002IB3212	A	20020802	200344

Priority Applications (No Type Date): US 2001933601 A 20010820

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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US 20030037139	A1	6	G06F-015/173	
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WO 200317152	A2 E		G06F-017/60	
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Designated States (National): CN JP KR

Designated States (Regional): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR

IE IT LU MC NL PT SE SK TR

Abstract (Basic): US 20030037139 A1

NOVELTY - A service provider is selected and activated to provide  
an **information** service to **individuals** electronically, in response  
to a service request received from an individual.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the  
following:

(1) device for providing service to individual; and

(2) program for providing service to individual.

USE - For **information distribution** in computer networks, for  
business applications.

ADVANTAGE - Improves the ease of selection and transition between  
**multiple** content **providers**. Thereby the service provision is  
enhanced.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of  
**information distributing** system.

pp; 6 DwgNo 2/2

Title Terms: INFORMATION; **DISTRIBUTE** ; METHOD; COMPUTER; NETWORK;  
INFORMATION; SERVICE; INDIVIDUAL; SELECT; SERVICE; BASED; REQUEST;  
RECEIVE; INDIVIDUAL

Derwent Class: T01

International Patent Class (Main): G06F-015/173; G06F-017/60

International Patent Class (Additional): G06F-015/16

File Segment: EPI

12/5/3 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014779503 \*\*Image available\*\*  
WPI Acc No: 2002-600209/200264  
XRPX Acc No: N02-475797

**Flexible service distribution for large scale communication network has secondary database for recovering user and server identifiers from primary database**

Patent Assignee: PLATA-ANDRES I (PLAT-I); SANCHEZ-HERRERO J (SANC-I);  
TELEFONAKTIEBOLAGET ERICSSON L M (TELF )

Inventor: PLATA-ANDRES I; SANCHEZ-HERRERO J; ANDRES I P; SANCHEZ HERRERO J  
A

Number of Countries: 100 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200271674	A2	20020912	WO 2002EP2440	A	20020306	200264 B
US 20020147845	A1	20021010	US 2001273759	A	20010306	200269
			US 200291658	A	20020304	

Priority Applications (No Type Date): US 200291658 A 20020304; US  
2001273759 P 20010306

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200271674	A2	E	42	H04L-000/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA  
ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

US 20020147845	A1		G06F-015/16	Provisional application	US 2001273759
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Abstract (Basic): WO 200271674 A2

NOVELTY - The User **Distribution** Server (UDS) has a secondary database for recovering user and server identifiers from the primary database and any other UDS in the network domain. The UDS is located accessible to query and request **user information** by redirecting the query to the appropriate server or serving entity.

DETAILED DESCRIPTION - Preferably, the User **Distribution** Server (UDS) has the ability to handle request from other UDS or Service Request Node by indicating that query on the new identifier in another server is necessary, and optionally indicating the reason behind. INDEPENDENT claims are also included for the following:

(1) A telecommunication system comprising the User **Distribution** Server.

(2) A method in a network domain for identifying a user under different service environments.

USE - For large communication **networks** that use **multiple** servers to provide services to subscribers that is identified or accessed by a number of different user identifiers.

ADVANTAGE - The use of primary and secondary database simplifies data handling as data **changes** and **updates** can be easily managed in the primary databases and then **transferred** to or actualized in the secondary database.

DESCRIPTION OF DRAWING(S) - The drawing shows a network architecture containing the primary and secondary database structure.  
pp; 42 DwgNo 1/4

Title Terms: FLEXIBLE; SERVICE; **DISTRIBUTE** ; SCALE; COMMUNICATE; NETWORK;  
SECONDARY; DATABASE; RECOVER; USER; SERVE; IDENTIFY; PRIMARY; DATABASE

Derwent Class: T01; W01

International Patent Class (Main): G06F-015/16 ; H04L-000/00

File Segment: EPI

12/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014641139 \*\*Image available\*\*

WPI Acc No: 2002-461843/200249

Related WPI Acc No: 2000-411732; 2002-048851

XRPX Acc No: N02-364048



**Expertise conversion method based on document usage, by associating content areas with sets of documents in sequence of documents used by first user based on information regarding sequence of documents**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )  
Inventor: BARRETT R C; COHEN A L; MAGLIO P P; SHELDON M A  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6377983	B1	20020423	US 9898568	P	19980831	200249 B
			US 98192047	A	19981113	

Priority Applications (No Type Date): US 9898568 P 19980831; US 98192047 A 19981113

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6377983	B1	19	G06F-015/16	Provisional application US 9898568

Abstract (Basic): US 6377983 B1

**NOVELTY** - The method involves capturing information regarding a sequence of documents used by the first user on a computer **system**, associating **multiple** content areas with multiple sets of documents in the sequence of documents used by the first **user** based on the captured **information** and allowing a second **user** of the computer system to select one of the content areas.

**DETAILED DESCRIPTION** - The method further involves providing the set of documents associated with the selected content area to the second user. An **INDEPENDENT CLAIM** is also included for an expertise conversion system based on document usage.

**USE** - For conveying expertise in document usage of first user of a computer system to one or more second users of the computer system.

**ADVANTAGE** - Allows broad range of users to obtain benefit of expertise of experts as expressed through expert's access and use of documents. Enables automatic parsing of document browser trails or paths into sequences of documents which are related by a **common** topic. Facilitates use of **distributed** expertise within an organization by making available traces of experts' browsing and searching behavior. Aids users in finding documents that someone having expertise in a particular field has already read.

**DESCRIPTION OF DRAWING(S)** - The figure is a flowchart showing a process of capturing and conveying expertise in document usage.

pp; 19 DwgNo 2/7

Title Terms: CONVERT; METHOD; BASED; DOCUMENT; ASSOCIATE; CONTENT; AREA; SET; DOCUMENT; SEQUENCE; DOCUMENT; FIRST; USER; BASED; INFORMATION; SEQUENCE; DOCUMENT

Derwent Class: T01

International Patent Class (Main): G06F-015/16

File Segment: EPI

12/5/5 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014614073 \*\*Image available\*\*

WPI Acc No: 2002-434777/200246

XRPX Acc No: N02-342272

**Information** updating **method** involves transferring **profile of selected contents of multiple sites to server which provides compiled information back to user computer**

Patent Assignee: LIN S (LINS-I); TAN S (TANS-I)  
Inventor: LIN S; TAN S  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020049848	A1	20020425	US 2000211117	P	20000612	200246 B
			US 2001878520	A	20010611	

Priority Applications (No Type Date): US 2000211117 P 20000612; US 2001878520 A 20010611

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 20020049848 A1 7 G06F-015/16 Provisional application US 2000211117

Abstract (Basic): US 20020049848 A1

NOVELTY - **Multiple network** sites are browsed and a profile of **commonly** selected contents of the multiple sites is organized for transmission to a server. The **transferred** data are analyzed and links are provided to the related information. The related information are compiled and **transferred** to the user computer, based on which the digital medium is **updated**.

USE - For **updating** digital file information on digital medium such as a compact disk read only memory (CD ROM), magnetic medium, flash card, etc.

ADVANTAGE - Anticipates the interests of the user and dynamically provides, latest statistically derived **updated** data based on this determination.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram of **updating** the digital **information** accessible by the **user** 's computer.

pp; 7 DwgNo 3/3

Title Terms: INFORMATION; **UPDATE** ; METHOD; **TRANSFER** ; PROFILE; SELECT; CONTENT; MULTIPLE; SITE; SERVE; COMPILE; INFORMATION; BACK; USER; COMPUTER

Derwent Class: T01; T03

International Patent Class (Main): **G06F-015/16**

File Segment: EPI

12/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014384589 \*\*Image available\*\*

WPI Acc No: 2002-205292/200226

Related WPI Acc No: 2002-170888

XRPX Acc No: N02-156272

**Personalized web page rendering system has web server to populate cache of another server and provider objects for populating cache of former web server with new web page clips**

Patent Assignee: BECK M T (BECK-I); CLORE D J (CLOR-I); DAUGHERTY B R (DAUG-I)

Inventor: BECK M T; CLORE D J; DAUGHERTY B R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020016828	A1	20020207	US 98205127	A	19981203	200226 B

Priority Applications (No Type Date): US 98205127 A 19981203

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 20020016828 A1 12 G06F-015/16

Abstract (Basic): US 20020016828 A1

NOVELTY - A cache (110) of a server (102) stores the certain web page clips, from which the server assembles the web page based on a key in response to a user request. A cache (112) of another server (104) stores certain clips from which the server (104) populates the cache (110). One of the provider objects (116,118,120) of the server (104) populates the cache (112) with new clips.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Web page rendering method;

(b) Computer readable medium with web page rendering program

USE - Used for rendering personalized web pages such as web pages having **information** regarding weather details of **user** specified location.

ADVANTAGE - High performance is obtained by caching **commonly** used

page fragments, which may be assembled in different ways depending on the key. The architecture is extensible and maintainable, because suppliers of contents can easily be added or **modified**, by adding or **modifying** the provider objects.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the web page rendering system.

Servers (102,104)

Caches (110,112)

Provider objects (116,118,120)

pp; 12 DwgNo 2/4

Title Terms: WEB; PAGE; RENDER; SYSTEM; WEB; SERVE; CACHE; SERVE; OBJECT; CACHE; FORMER; WEB; SERVE; NEW; WEB; PAGE; CLIP

Derwent Class: T01

International Patent Class (Main): G06F-015/16

File Segment: EPI

12/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014256445 \*\*Image available\*\*

WPI Acc No: 2002-077143/200211

Related WPI Acc No: 2002-084478; 2002-473296

XRPX Acc No: N02-056952

**Digital system on semiconductor chip e.g. microcomputer system , includes multiple configurable registers to accept and store user specified address information associated with logic device**

Patent Assignee: ALTERA CORP (ALTE-N)

Inventor: DRAPER A; MAY R

Number of Countries: 027 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1164490	A2	20011219	EP 2001305070	A	20010611	200211 B
JP 2002049576	A	20020215	JP 2001176864	A	20010612	200215
JP 2002099464	A	20020405	JP 2001175391	A	20010611	200239

Priority Applications (No Type Date): US 2000668202 A 20000922; US

2000211094 P 20000612; US 2000668665 A 20000922

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1164490	A2	E	11	G06F-012/06	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

JP 2002049576	A	12	G06F-013/36
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JP 2002099464	A	11	G06F-012/06
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Abstract (Basic): EP 1164490 A2

NOVELTY - Multiple configurable registers in communication with central processing unit (CPU), are configured to accept and store **user** -specified address **information** containing base address at which the resource is addressed, and address range within which the base address is addressed, associated with the programmable logic device (PLD).

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for method of specifying memory map for digital system on semiconductor chip.

USE - Digital system on semiconductor chip (SoC) with reconfigurable memory map e.g. digital microcomputer system, digital signal processing system, specialized digital **switching** network, for use in telecommunication system, automotive system, control system, consumer electronics, etc.

ADVANTAGE - Provides user the ability to assign and **modify** the addressing arrangement e.g. base address and size of each memory and peripheral device stored in memory map.

DESCRIPTION OF DRAWING(S) - The figure explains system how reconfigurable registers relate to physical memory.

pp; 11 DwgNo 6/6

Title Terms: DIGITAL; SYSTEM; SEMICONDUCTOR; CHIP; MICROCOMPUTER; SYSTEM;

MULTIPLE; CONFIGURATION; REGISTER; ACCEPT; STORAGE; USER; SPECIFIED;  
ADDRESS; INFORMATION; ASSOCIATE; LOGIC; DEVICE  
Derwent Class: T01  
International Patent Class (Main): G06F-012/06; G06F-013/36  
International Patent Class (Additional): G06F-012/08; G06F-013/14;  
G06F-013/42; G06F-015/78  
File Segment: EPI

12/5/8 (Item 8 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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014189252 \*\*Image available\*\*  
WPI Acc No: 2002-009949/200201  
XRPX Acc No: N02-008304

**Quality assured network service provision system e.g. in Internet, has  
service broker device with broker function for achieving agreement  
between multiple network service providers**

Patent Assignee: NEC CORP (NIDE )

Inventor: NISHI K

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010027484	A1	20011004	US 2001818955	A	20010327	200201 B
JP 2001282760	A	20011012	JP 200095393	A	20000330	200201

Priority Applications (No Type Date): JP 200095393 A 20000330

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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US 20010027484	A1	24	G06F-015/173	
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JP 2001282760	A	18	G06F-015/177	
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Abstract (Basic): US 20010027484 A1

NOVELTY - A network service management device (28) collectively manages the device clusters incorporated within the operations. Management networks and receives service orders and faults information from the customers. A service broker device (23) provided at functional host layer of the service management device, provides broker function for achieving agreement between service providers.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Network service providing method;

(b) Service broker device.

USE - For providing quality assured network service across multiple operations management networks e.g. in Internet.

ADVANTAGE - A network service is provided that guarantees the level of quality required by a customer through multiple networks operated by different providers. By providing a dedicated service broker, the system achieves function distribution and a high level of expandability. By introducing multi-domain service broker for collecting information between the network service management devices provided in each domain, interconnectivity is promoted and the necessary services are brokered and thus seamless network service provision system is realized even between different domains.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of network service management device.

Service broker device (23)

Network service management device (28)

pp; 24 DwgNo 2/11

Title Terms: QUALITY; ASSURE; NETWORK; SERVICE; PROVISION; SYSTEM; SERVICE;  
DEVICE; FUNCTION; ACHIEVE; AGREE; MULTIPLE; NETWORK; SERVICE

Derwent Class: T01; W01

International Patent Class (Main): G06F-015/173; G06F-015/177

International Patent Class (Additional): G06F-015/16

File Segment: EPI

12/5/9 (Item 9 from File: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013216027 \*\*Image available\*\*  
WPI Acc No: 2000-387901/200033  
XRPX Acc No: N00-290345

Computer application integrating system for industry, has agent adaptors coupled to enterprise messaging system and each computer applications to exchange data between messaging system and applications

Patent Assignee: SAGA SOFTWARE INC (SAGA-N); SAGA SYSTEMS INC (SAGA-N)

Inventor: GORDON G A; TAYLOR J T; YEE H; TAYLOR J

Number of Countries: 081 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200029924	A2	20000525	WO 99US27238	A	19991118	200033	B
EP 1016989	A2	20000705	EP 99309204	A	19991118	200035	
AU 200017311	A	20000605	AU 200017311	A	19991118	200042	
NO 200003652	A	20000915	WO 99US27238	A	19991118	200058	
			NO 20003652	A	20000717		
BR 9907032	A	20010116	BR 997032	A	19991118	200107	
			WO 99US27238	A	19991118		
US 6256676	B1	20010703	US 98108993	A	19981118	200140	
			US 99412595	A	19991005		
CN 1294710	A	20010509	CN 99803968	A	19991118	200146	
KR 2001040348	A	20010515	KR 2000707862	A	20000718	200167	
HU 200102564	A2	20011128	WO 99US27238	A	19991118	200209	
			HU 20012564	A	19991118		
JP 2002530732	W	20020917	WO 99US27238	A	19991118	200276	
			JP 2000582869	A	19991118		

Priority Applications (No Type Date): US 99412633 A 19991005; US 98108993 P 19981118; US 99412595 A 19991005

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200029924	A2	E	98	G06F-000/00	
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Designated States (National): AE AL AU BA BB BG BR CA CN CU CZ DM EE GD GE HR HU ID IL IN IS JP KP KR LC LK LR LT LV MA MG MK MN MW MX NO NZ PL RO SG SI SK TR TT TZ UA UZ VN YU ZA

Designated States (Regional): EA GH GM KE LS MW OA SD SL SZ TZ UG ZW

EP 1016989	A2	E		G06F-017/30	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

AU 200017311	A			G06F-013/00	Based on patent WO 200029924
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NO 200003652	A			G06F-000/00	
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BR 9907032	A			G06F-009/44	Based on patent WO 200029924
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US 6256676	B1			G06F-013/00	Provisional application US 98108993
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CN 1294710	A			G06F-013/00	
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KR 2001040348	A			G06F-017/00	
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HU 200102564	A2			G06F-013/00	Based on patent WO 200029924
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JP 2002530732	W	265		G06F-009/46	Based on patent WO 200029924
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Abstract (Basic): WO 200029924 A2

NOVELTY - The system comprises an enterprise messaging system for exchange of messages between multiple computer applications. Multiple agent adaptors coupled to the messaging system and each computer applications, exchange data between the messaging system and applications. A message transmitting process operates along with agent adaptors to share individual message from computer applications.

DETAILED DESCRIPTION - The enterprise messaging system is coupled to a database storage system and an integration service system. The database storage system stores multiple data transformation configurations and rules. The integration service system comprises a data transformation engine and rules evaluation engine which uses data transformation configurations and rules stored in the database. This service system splits or combines messages from the enterprise messaging system and performs routing of messages to computer applications. INDEPENDENT CLAIMS are also included for the following:

- (a) improved enterprise application integration system;
- (b) method for message transmission between two computer applications;
- (c) agent adaptor for use in enterprise application integration system;
- (d) enterprise application integration system

USE - For industries, organizations.

ADVANTAGE - Improves message tracking and manipulations. Enhances security features such as authentication, authorization, privacy, non-reputation and auditing. Facilitates fast and simple integration of leading ERP applications, custom applications, packaged applications and database, and eliminates need for expensive custom coding. Aids long term reliability, scalability, flexibility and extensibility needed by enterprises. Enables enterprises to leverage existing IT investments, increase speed to market, implement solutions and realize benefits. Provides faster access to **customer** and billing **information**, thereby enabling enterprise to offer effective service to customer. Simplifies enterprise IT architecture and provides central point of integration for all applications and platforms, thereby providing efficient and cost effective information sharing.

DESCRIPTION OF DRAWING(S) - The figure shows block diagram of agent adaptor.

pp; 98 DwgNo 4c/17

Title Terms: COMPUTER; APPLY; INTEGRATE; SYSTEM; INDUSTRIAL; AGENT; ADAPT; COUPLE; MESSAGING; SYSTEM; COMPUTER; APPLY; **EXCHANGE** ; DATA; MESSAGING; SYSTEM; APPLY

Derwent Class: A25; A26; A97; D25; E19; T01

International Patent Class (Main): G06F-000/00; G06F-009/44; G06F-009/46; G06F-013/00; G06F-017/00; G06F-017/30

International Patent Class (Additional): G06F-015/00; **G06F-015/16**

File Segment: CPI; EPI

12/5/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013009859 \*\*Image available\*\*

WPI Acc No: 2000-181711/200016

XRPX Acc No: N00-134128

**Matching method for grouping e.g. network users, client computers, client software in computer networks**

Patent Assignee: MPATH INTERACTIVE INC (MPAT-N)

Inventor: CLARK D P; SAMUEL D J; WOLF M A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6023729	A	20000208	US 9744023	A	19970505	200016 B
			US 97876953	A	19970617	

Priority Applications (No Type Date): US 9744023 P 19970505; US 97876953 A 19970617

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6023729	A		25	G06F-015/16	Provisional application US 9744023

Abstract (Basic): US 6023729 A

NOVELTY - Each client computer has a cooperating client application that **exchanges** information with a match maker application hosted by a host computer. After an attribute is selected and associated with one cooperating client application, a message is transmitted to the other client computer whose video display then exhibits a graphical image having a non-textual feature representing a value in the message.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a method of allowing a user to navigate between client groups associated with a match maker application;
- (b) and a method for allowing a user to communicate values of

attribute to another user via a match making application.

USE - For grouping e.g. network users, client computers, client software in computer networks.

ADVANTAGE - Provides a clear way to present to users network match making information to assist users in choosing an instance of a multi-user network application where multiple instances of such applications are simultaneously available, or to assist users in selecting other users to join with them in an on-line multi-user multiply-instanced OMM application. Provides a systematic way of organizing and presenting multiple offers, where such offers are offers to create an OMM instance, and to assist users in selecting an offer to accept.

DESCRIPTION OF DRAWING(S) - The figure illustrates the match maker application identifying a match and creating a new client group and an associated data set representing the new client group.

pp; 25 DwgNo 8/21

Title Terms: MATCH; METHOD; GROUP; NETWORK; USER; CLIENT; COMPUTER; CLIENT; SOFTWARE; COMPUTER; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-015/16

File Segment: EPI

12/5/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012945008 \*\*Image available\*\*

WPI Acc No: 2000-116861/200010

Related WPI Acc No: 2002-267763

XRPX Acc No: N00-088477

**Connection establishment method of user device to internet service provider for electronic mail transmission**

Patent Assignee: NETSAFE INC (NETS-N); MYMAIL INC (MYMA-N)

Inventor: BRIAN M; GMUENDER J E; SELGAS T D; MASSING M B

Number of Countries: 083 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9966692	A1	19991223	WO 98US13255	A	19980620	200010 B
AU 9885677	A	20000105	AU 9885677	A	19980620	200024
EP 1086560	A1	20010328	EP 98936811	A	19980620	200118
			WO 98US13255	A	19980620	
US 6571290	B2	20030527	US 9750186	P	19970619	200337
			US 98100619	A	19980619	

Priority Applications (No Type Date): US 98100619 A 19980619; US 9750186 P 19970619

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9966692 A1 E 184 H04L-029/06

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9885677 A Based on patent WO 9966692

EP 1086560 A1 E H04L-029/06 Based on patent WO 9966692

Designated States (Regional): CH DE GB LI

US 6571290 B2 G06F-015/16 Provisional application US 9750186

Abstract (Basic): WO 9966692 A1

NOVELTY - A set of customized identification information are received from access service provider (106), and are stored for a selected internet service provider (ISP). The communication of user device with initial ISP is canceled and the communication with the internet (100) is established again, through the selected ISP, using the customized identification information.

DETAILED DESCRIPTION - Initially, a set of identification information are provided to user device. The communication of user device with the access service provider (106) on the internet (100) is established through the initial ISP, using the initial identification information. INDEPENDENT CLAIMS are also included for the following:

(a) apparatus for securing the transmission of data over internet;  
(b) method for displaying representations of advertising material on computer screen;

(c) method for preventing a network user from unauthorized distribution of network access log-in data;

(d) method for providing anonymity to a network user through the dynamic allocation of log-in data to users;

(e) apparatus for providing anonymity relative data transmission over a network

USE - For establishing connection of user device to internet service provider, for electronic mail transmission. And also for physical connections such as telephone dial-up connections, ISDN connections, ethernet and other local area network connections.

ADVANTAGE - Simplifies process of access to a network for a roaming computer user, divides the responsibility of servicing to access the network between multiple parties and minimizes the possibility of improper dissemination of E-mail header data and improper use of network resources including server systems by non-clients. Eliminates the need for a computer user to configure and reconfigure computer networking software for network access through ISPs and network access providers (NAP). Allows a network re-seller such as an internet service provider to offer network access via NAPs based on cost, location, availability, reliability etc. Allows network re-seller to balance network loads through several NAPs and across several network computer servers. Eliminates need for computer user to know or configure network access telephone numbers or network access protocol identification numbers. Eliminates the need for a computer user or mobile computer user to reconfigure remote network access software to connect to a network from remote location. Allows multiple users to use a single computer with their own unique networking attributes and unique network identity. Allows separate and distinct identifications (ID) and passwords for different services and network functions such as PAP IDs and PAP password, E-mail ID and password etc. Provides user with true network anonymity by assigning independent non-user specific IDs and passwords for password authentication protocol (PAP) authentication, FTP and E-mail logins, news server logins and network server logins. Provides E-mail anonymity by transmitting and receiving all E-mail through a broker, or aliases may be used for all unencrypted data and changed periodically by the system in a manner transparent to the user. Eliminates third party E-mail relay by transparently authenticating each user system prior to access to a send mail server.

DESCRIPTION OF DRAWING(S) - The figure shows signal communication paths between clients, ISPs and network access providers.

Internet (100)

Access service provider (106)

pp; 184 DwgNo 1/21

Title Terms: CONNECT; ESTABLISH; METHOD; USER; DEVICE; SERVICE; ELECTRONIC; MAIL; TRANSMISSION

Derwent Class: T01; W01

International Patent Class (Main): G06F-015/16 ; H04L-029/06

File Segment: EPI

12/5/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012712811 \*\*Image available\*\*

WPI Acc No: 1999-518924/199943

XRPX Acc No: N99-385893

Method for monitoring and measuring interests of user viewing content on computer network and on multiple servers in enterprise network, while protecting user privacy while using system, e.g. Internet



Patent Assignee: ENGAGE TECHNOLOGIES (ENGA-N); JAYE D J (JAYE-I); ENGAGE INC (ENGA-N)

Inventor: JAYE D; JAYE D J

Number of Countries: 024 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9944159	A1	19990902	WO 99US4166	A	19990226	199943 B
AU 9928793	A	19990915	AU 9928793	A	19990226	200004
EP 1057125	A1	20001206	EP 99909626	A	19990226	200064
			WO 99US4166	A	19990226	
KR 2001041388	A	20010515	KR 2000709515	A	20000826	200167
US 6415322	B1	20020702	US 9876179	P	19980227	200248
			US 9876404	P	19980227	
			US 99258779	A	19990226	
US 20020199004	A1	20021226	US 9876179	P	19980227	200304
			US 9876404	P	19980227	
			US 99258779	A	19990226	
			US 2002151794	A	20020521	
EP 1057125	B1	20030502	EP 99909626	A	19990226	200330
			WO 99US4166	A	19990226	
DE 69907425	E	20030605	DE 607425	A	19990226	200345
			EP 99909626	A	19990226	
			WO 99US4166	A	19990226	

Priority Applications (No Type Date): US 9976404 A 19990226; US 9876179 P 19980227; US 9876404 P 19980227; US 99258779 A 19990226; US 2002151794 A 20020521

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9944159	A1	E	38	G06F-017/30	
				Designated States (National):	AU CA JP KR
				Designated States (Regional):	AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
AU 9928793	A				Based on patent WO 9944159
EP 1057125	A1	E		G06F-017/30	Based on patent WO 9944159
				Designated States (Regional):	AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
KR 2001041388	A			G06F-017/30	
US 6415322	B1			G06F-015/16	Provisional application US 9876179
					Provisional application US 9876404
US 20020199004	A1			G06F-015/16	Provisional application US 9876179
					Provisional application US 9876404
					Cont of application US 99258779
					Cont of patent US 6415322
EP 1057125	B1	E		G06F-017/30	Based on patent WO 9944159
				Designated States (Regional):	AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
DE 69907425	E			G06F-017/30	Based on patent EP 1057125
					Based on patent WO 9944159

Abstract (Basic): WO 9944159 A1

NOVELTY - Method uses the local and the enterprise server (16) to communicate with the user via a comms channel. The local server assigns a local ID to the user. The enterprise server assigns to the user a global ID and links the local ID and local **user information** with the global ID to form a global interest **user profile**. The identity of **users** is not **shared** between servers, thereby maintaining user privacy.

USE - For monitoring and measuring the interests of a user viewing content on a computer network.

ADVANTAGE - Allows individual servers to control their own local identification scheme and to collaborate with other servers at its manager's discretion.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of client interaction with the servers.

the enterprise server (16)

pp; 38 DwgNo 7/7

Title Terms: METHOD; MONITOR; MEASURE; USER; VIEW; CONTENT; COMPUTER;  
NETWORK; MULTIPLE; SERVE; NETWORK; PROTECT; USER; PRIVATE; SYSTEM  
Derwent Class: T01; T05  
International Patent Class (Main): G06F-015/16 ; G06F-017/30  
File Segment: EPI

12/5/13 (Item 13 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011952210 \*\*Image available\*\*  
WPI Acc No: 1998-369120/199832  
XRPX Acc No: N98-289097

**Network management system for various information apparatus - divides network into multiple virtual LANs with logical hierarchy according to predetermined rule and each communication terminal updates management and logical hierarchy information at management node**  
Patent Assignee: HITACHI LTD (HITA ); KAMATA Y (KAMA-I); MIYAKE S (MIYA-I); MIYAZAKI S (MIYA-I); MIZUGUCHI K (MIZU-I); TAMAYAMA S (TAMA-I); TEZUKA S (TEZU-I); UTSUKI S (UTSU-I); YOSHIMARU T (YOSH-I)  
Inventor: KAMATA Y; MIYAKE S; MIYAZAKI S; MIZUGUCHI K; TAMAYAMA S; TEZUKA S; UTSUKI S; YOSHIMARU T; SHIGETA A  
Number of Countries: 002 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10145364	A	19980529	JP 96304885	A	19961115	199832 B
US 6047320	A	20000404	US 97971621	A	19971117	200024
US 20010042118	A1	20011115	US 9862648	A	19980420	200172
			US 2001867617	A	20010531	

Priority Applications (No Type Date): JP 96304885 A 19961115; JP 9625413 A 19960213; JP 97103376 A 19970421; JP 97122482 A 19970513

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10145364	A		9	H04L-012/24	
US 6047320	A			G06F-013/00	
US 20010042118	A1			G06F-015/173	Cont of application US 9862648

Abstract (Basic): JP 10145364 A

The system divides the **network** (1000) into **multiple** virtual closed **networks** (2310,2320). Each virtual **network** contains **multiple** communication terminals. A **switching** circuit controls the communication between the terminals.

The management information about the virtual network and the logical hierarchy divided according to a predetermined rule are stored in a memory unit. A communication terminal **individually** performs the management **information** and logical hierarchy information **updatation** at the management node (2100).

ADVANTAGE - Enables easy **updatation** of management information.

Dwg.4/12

Title Terms: NETWORK; MANAGEMENT; SYSTEM; VARIOUS; INFORMATION; APPARATUS; DIVIDE; NETWORK; MULTIPLE; VIRTUAL; LOGIC; HIERARCHY; ACCORD; PREDETERMINED; RULE; COMMUNICATE; TERMINAL; **UPDATE** ; MANAGEMENT; LOGIC; HIERARCHY; INFORMATION; MANAGEMENT; NODE  
Derwent Class: T01; W01  
International Patent Class (Main): G06F-013/00; **G06F-015/173** ; H04L-012/24  
International Patent Class (Additional): H04L-012/26; H04L-012/28; H04L-012/66  
File Segment: EPI

12/5/14 (Item 14 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

011764478 \*\*Image available\*\*  
WPI Acc No: 1998-181388/199817

XRPX Acc No: N98-143573

**Secure data management system for ensuring security of data in computer network - provides secret-, public- and private-keys, applies data-, data owner- and data user-labels, with headers, confirming validity before decryption and transfer of data**

Patent Assignee: MITSUBISHI CORP (MITS )

Inventor: SAITO M

Number of Countries: 024 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 833241	A2	19980401	EP 97116728	A	19970925	199817 B
JP 10107787	A	19980424	JP 96277125	A	19960927	199827

Priority Applications (No Type Date): JP 96277125 A 19960927

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
-----------	------	--------	----------	--------------

EP 833241	A2	E 33	G06F-001/00	
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Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI  
LT LU LV MC NL PT RO SE SI

JP 10107787	A	22	H04L-009/08
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Abstract (Basic): EP 833241 A

The system has center which certifies public-key of user and **distributes** secret-key. A first system comprises center in network, **information** provider and several **users**. The center identifies utilization status by requests of the secret-key. The data are encrypted by secret-key and stored and **transferred**, while data to be stored and **transferred** are encrypted by secret-key different from secret-key for **transferred** data. An original data label is added to original data, and **edit** label is added to **edited** data. The center stores not data, only original data label and **edit** label.

A **second system** comprises center and information provider in network, and several users utilizing network. Center stores original data and **editing** scenario, and also original data label, user label and **edit** label. The data are not **transferred** between users, but data label encrypted by the public-key is **transferred**. In electronic commerce system, all data are **distributed** through a mediator in the network, data **transferred** from maker to user are encrypted by secret-key, and data **transferred** reversely are encrypted for re-encryption.

ADVANTAGE - For copyright management of data, electronic commerce and digital cash. Assists in management of today's ever increasing amounts of data.

3A, 3B, 3C, 3

D/12

Title Terms: SECURE; DATA; MANAGEMENT; SYSTEM; ENSURE; SECURE; DATA; COMPUTER; NETWORK; SECRET; PUBLIC; PRIVATE; KEY; APPLY; DATA; OWNER ; DATA; USER; LABEL; HEADER; CONFIRM; VALID; DECRYPTER; **TRANSFER** ; DATA

Derwent Class: P85; T01

International Patent Class (Main): G06F-001/00; H04L-009/08

International Patent Class (Additional): G06F-012/14; **G06F-015/00** ;

G09C-001/00; H04L-009/14; H04L-009/32

File Segment: EPI; EngPI

12/5/15 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011584861 \*\*Image available\*\*

WPI Acc No: 1998-001990/199801

XRPX Acc No: N98-001534

**Altering driver hierarchy in computer system - renaming or exchanging identities of computer mass storage metadrivers and layered drivers, to allow for on-line distribution of changes to driver hierarchy**

Patent Assignee: SUN MICROSYSTEMS INC (SUNM )

Inventor: GITTINS R S; PASSMORE D R; SENATOR S T

Number of Countries: 007 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 809188	A1	19971126	EP 97104951	A	19970324	199801 B
JP 10091564	A	19980410	JP 9797141	A	19970415	199825
US 5802364	A	19980901	US 96632006	A	19960415	199842
EP 809188	B1	20000809	EP 97104951	A	19970324	200039
DE 69702734	E	20000914	DE 602734	A	19970324	200053
			EP 97104951	A	19970324	

Priority Applications (No Type Date): US 96632006 A 19960415

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 809188	A1	E	14	G06F-013/10	
Designated States (Regional): DE FR GB IT SE					
JP 10091564	A		11	G06F-013/10	
US 5802364	A			G06F-015/163	
EP 809188	B1	E		G06F-013/10	
Designated States (Regional): DE FR GB IT SE					
DE 69702734	E			G06F-013/10	Based on patent EP 809188

Abstract (Basic): EP 809188 A

The method for altering driver hierarchy in a computer **system** including **multiple** drivers (48,50,52,54) having individual and inter-relational attributes with respect to other of the drivers involves providing for instructing a particular one of the drivers to alter its individual attribute. A locking service is provided to the particular one of the drivers and relatives of the particular drivers.

The method further involves providing for altering the individual attribute of the particular driver, and the inter-relational attributes of each of the relatives of the particular drivers. Unlocking service to the particular one of the drivers and the relatives of the particular drivers is also provided.

USE - Controlling number of device drivers coupled to computer operating system through metadvice, or metadisc, driver

ADVANTAGE - Allows for online **distribution** of **changes** to hierarchy in **distributed**, co-operative manner without needing particular driver having knowledge of **private data** structures or other drivers.

Dwg.2/6

Title Terms: ALTER; DRIVE; HIERARCHY; COMPUTER; SYSTEM; **EXCHANGE** ; IDENTIFY; COMPUTER; MASS; STORAGE; LAYER; DRIVE; ALLOW; LINE; **DISTRIBUTE** ; **CHANGE** ; DRIVE; HIERARCHY

Derwent Class: T01

International Patent Class (Main): G06F-013/10; **G06F-015/163**

International Patent Class (Additional): G06F-003/06; G06F-009/00;

G06F-009/445; G06F-009/46

File Segment: EPI

12/5/16 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011066616 \*\*Image available\*\*

WPI Acc No: 1997-044540/199705

SRPX Acc No: N97-036984

Distributed customer information control system apparatus - includes transaction start table which sorts transaction start data representing transactions whose execution has been requested

Patent Assignee: TANDEM COMPUTERS INC (TAND )

Inventor: DE ROO J S; HOTE A E; PHILLIPS M; VELASCO D G; VELASCO D

Number of Countries: 008 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 747812	A2	19961211	EP 96303648	A	19960522	199705 B
CA 2176905	A	19961208	CA 2176905	A	19960517	199715
JP 9044461	A	19970214	JP 96145730	A	19960607	199717
US 5630133	A	19970513	US 95479702	A	19950607	199725

Priority Applications (No Type Date): US 95479702 A 19950607

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 747812	A2	E	20	G06F-009/46	
Designated States (Regional): DE FR GB IT SE					
JP 9044461	A		19	G06F-015/16	
US 5630133	A		17	G06F-013/00	
CA 2176905	A			G06F-017/60	

Abstract (Basic): EP 747812 A

The **distributed** computer system apparatus includes a group of end terminals and a series of server computers. Many application processes are **distributed** over the server computers. A transaction start table is stored on a first server computer. The transaction table sorts transaction start data representing transactions whose execution has been requested by other transactions and indicates a start condition for each transactions execution.

The user application processes are responsive to the execution of a start transaction instruction and generate and store a transaction start record in the table which represents a transaction whose execution has been requested. A transaction start process is executed on one of the server computers and coupled to the transaction start table. The transaction start process evaluates the start condition for each transaction whose execution has been requested. When the start condition for one of the transactions is satisfied the execution of the requested transaction by a user application is initiated.

USE/ADVANTAGE - Transactions are assigned based on available processor resources without regard to potential or known need of transactions to **share** content.

Dwg.1/9

Title Terms: **DISTRIBUTE** ; CUSTOMER; INFORMATION; CONTROL; SYSTEM; APPARATUS; TRANSACTION; START; TABLE; SORT; TRANSACTION; START; DATA; REPRESENT; TRANSACTION; EXECUTE; REQUEST

Derwent Class: T01

International Patent Class (Main): G06F-009/46; G06F-013/00; **G06F-015/16** ; G06F-017/60

International Patent Class (Additional): G06F-012/00; G06F-013/368; G06F-015/00

File Segment: EPI

**12/5/17** (Item 17 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011045470 \*\*Image available\*\*

WPI Acc No: 1997-023394/199703

XRFX Acc No: N97-019393

Multiple user computer system for preserving individual user system preferences across computer system power cycles - has work area manager which allows user to navigate work areas each representing individual user 's computer system preferences , e.g application programs and operating systems

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC ); IBM CORP (IBMC )

Inventor: BROWN K R; FORD J V; GIBSON T E

Number of Countries: 006 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 747810	A2	19961211	EP 96303785	A	19960528	199703 B
JP 9006460	A	19970110	JP 96135531	A	19960529	199712
EP 747810	A3	19970611	EP 96303785	A	19960528	199735
US 5682550	A	19971028	US 95473273	A	19950607	199749
KR 97002701	A	19970128	KR 9620166	A	19960605	199805
KR 188501	B1	19990601	KR 9620166	A	19960605	200055
EP 747810	B1	20020327	EP 96303785	A	19960528	200222
DE 69620055	E	20020502	DE 620055	A	19960528	200237
			EP 96303785	A	19960528	

Priority Applications (No Type Date): US 95473273 A 19950607

Cited Patents: No-SR.Pub; 4.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 747810	A2	E	74	G06F-009/44	
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Designated States (Regional): DE FR GB

JP 9006460	A		67	G06F-001/00	
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EP 747810	A3			G06F-009/44	
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US 5682550	A		69	G06F-009/00	
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KR 97002701	A			G06F-015/16	
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KR 188501	B1			G06F-015/16	
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EP 747810	B1	E		G06F-009/44	
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Designated States (Regional): DE FR GB

DE 69620055	E			G06F-009/44	Based on patent EP 747810
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Abstract (Basic): EP 747810 A

The **multiple** user computer **system** includes a number of work areas for representing a number of **individual** computer system **preferences**, such that each work area comprises an individual user's system **preferences**. A work area setting **profile** file stores the **individual** computer system **preferences**, and logic stores the computer system's state information to non-volatile memory on power off.

A logic circuit arrangement restores the computer system's state information from non-volatile memory upon power on, and a work area manager controls the restoration of the computer system's state information. The work area manager includes logic for assigning and selecting application programs to be executed, and for **switching** between work areas.

USE - Saving and restoring **individual** user 's system **preferences** in multi- **user** computer **system**, such that **multiple** users who **share** same computer system will appear to have their own system.

ADVANTAGE - Allows multiple users on single computer system to store and restore system preferences.

Dwg.16/30

Title Terms: MULTIPLE; USER; COMPUTER; SYSTEM; PRESERVE; INDIVIDUAL; USER; SYSTEM; COMPUTER; SYSTEM; POWER; CYCLE; WORK; AREA; MANAGE; ALLOW; USER; NAVIGATION; WORK; AREA; REPRESENT; INDIVIDUAL; USER; COMPUTER; SYSTEM; APPLY; PROGRAM; OPERATE; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-001/00; G06F-009/00; G06F-009/44;

**G06F-015/16**

International Patent Class (Additional): G06F-001/26; G06F-009/46

File Segment: EPI

12/5/18 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010932577 \*\*Image available\*\*

WPI Acc No: 1996-429527/199643

XRPX Acc No: N96-361892

**Multi user virtual spatial system of e.g. study system, remote communication system, computer graphics in computer network - in which each terminal displays image of other user terminal in virtual space such that conversation between them is made feasible**

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8212173	A	19960820	JP 9516302	A	19950202	199643 B
JP 3119566	B2	20001225	JP 9516302	A	19950202	200102

Priority Applications (No Type Date): JP 9516302 A 19950202

Patent Details:

Patent No Kind Lan Pg In IPC Filing Notes  
JP 8212173 A 8 G06F-015/16  
JP 3119566 B2 8 G06F-015/16 Previous Publ. patent JP 8212173

Abstract (Basic): JP 8212173 A

The **system** includes **multiple** user terminals (4) and a terminal control server (1) which are connected through a network (20). The terminal control server coordinates with a video server and an audio server (3). Each user terminal **shares** a virtual space. The terminal control server stores position information regarding position of the each terminal user within the virtual space. This position information relating to a virtual spatial model is sent to each terminal. Each user terminal stores the virtual spatial model sent by the terminal control server.

The virtual spatial model within an users visual field is displayed according to the operation of a users terminal. A self image of each terminal is expressed based on each terminals position information transmitted from the terminal control server. Each terminal displays the image of other terminals in the virtual space such that a conversation between the users of each terminal is performed through the virtual space.

ADVANTAGE - Ensures conversation with individuals or groups in remote places. Enables real time grasping **information** between remote users .

Dwg.1/8

Title Terms: MULTI; USER; VIRTUAL; SPACE; SYSTEM; STUDY; SYSTEM; REMOTE; COMMUNICATE; SYSTEM; COMPUTER; GRAPHIC; COMPUTER; NETWORK; TERMINAL; DISPLAY; IMAGE; USER; TERMINAL; VIRTUAL; SPACE; CONVERSATION; MADE; FEASIBLE

Derwent Class: T01

International Patent Class (Main): G06F-015/16

File Segment: EPI

12/5/19 (Item 19 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010382574 \*\*Image available\*\*  
WPI Acc No: 1995-283888/199537  
XRPX Acc No: N95-216028

**System for multimedia information delivery - has users receiving information from hierarchy of servers and scheduler that organises flow of information for user defined delivery time**

Patent Assignee: UNIV CALIFORNIA (REGC )  
Inventor: RANGAN P V; PAPADIMITRIOU C; RANGAN P  
Number of Countries: 001 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9521415	A1	19950810	WO 95US1566	A	19950207	199537 B
US 5583994	A	19961210	US 94192654	A	19940207	199704
US 5592626	A	19970107	US 94192654	A	19940207	199708
			US 94246246	A	19940519	

Priority Applications (No Type Date): US 94246246 A 19940519; US 94192654 A 19940207

Cited Patents: 4.Jnl.Ref; US 5220420; US 5404505

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9521415	A1	E	42	G06F-015/16	
US 5583994	A		11	G06F-013/00	
US 5592626	A		13	G06F-013/00	CIP of application US 94192654

Abstract (Basic): WO 9521415 A

The network includes a scheduler that organises delivery through the system. The hierarchial network has one or more primary network servers (14) delivering a given service. These connect to a number of wide area servers such as a cable television company. A number of

Index Terms/Additional Words: TELECOMMUNICATIONS

Derwent Class: W01; W05

International Patent Class (Main): G08C-015/06; G08C-025/00; H04L-012/26;  
H04M-003/22

International Patent Class (Additional): G06F-015/20 ; G08B-029/00;  
H04B-017/00

File Segment: EPI

12/5/24 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009004979 \*\*Image available\*\*

WPI Acc No: 1992-132276/199216

Related WPI Acc No: 1993-182725; 1995-115635

XRFX Acc No: N92-098638

**Network management system for e.g. computer communications - uses  
model-based intelligence related to network entity and inter-relations  
between entities to form virtual network**

Patent Assignee: CABLETRON SYSTEMS INC (CABL-N); APRISMA MANAGEMENT

TECHNOLOGIES INC (APRI-N); CABLETRON SYST INC (CABL-N)

Inventor: BROWN H M; DEV R H; EMERY D H; GRAY E W; RUSTICI E S; SCOTT W P;  
WIGGIN D S; NELSON M H; SCOTT W

Number of Countries: 017 Number of Patents: 027

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9205485	A	19920402	WO 91US6725	A	19910917	199216	B
AU 9186204	A	19920415	AU 9186204	A	19910917	199230	
			WO 91US6725	A	19910917		
EP 549677	A1	19930707	EP 91916905	A	19910917	199327	
			WO 91US6725	A	19910917		
US 5261044	A	19931109	US 90583509	A	19900917	199346	
			US 91788936	A	19911107		
JP 6501118	W	19940203	JP 91515918	A	19910917	199410	
			WO 91US6725	A	19910917		
US 5295244	A	19940315	US 90583509	A	19900917	199411	
			US 91790408	A	19911107		
			US 93101777	A	19930803		
WO 9205485	A3	19920625				199511	
AU 659101	B	19950511	AU 9186204	A	19910917	199527	
US 5436909	A	19950725	US 90583509	A	19900917	199535	
			US 91789000	A	19911107		
AU 9527225	A	19950921	AU 9186204	A	19910917	199545	
			AU 9527225	A	19950727		
US 5504921	A	19960402	US 90583509	A	19900917	199619	
			US 94243642	A	19940516		
AU 9540632	A	19960404	AU 9527226	A	19950727	199621	
			AU 9540632	A	19951222		
EP 737920	A2	19961016	EP 91916905	A	19910917	199646	
			EP 96201600	A	19910917		
EP 737921	A2	19961016	EP 91916905	A	19910917	199646	
			EP 96201601	A	19910917		
EP 549677	B1	19970625	EP 91916905	A	19910917	199730	
			WO 91US6725	A	19910917		
DE 69126666	E	19970731	DE 626666	A	19910917	199736	
			EP 91916905	A	19910917		
			WO 91US6725	A	19910917		
EP 737920	A3	19970709	EP 91916905	A	19910917	199740	
			EP 96201600	A	19910917		
EP 737921	A3	19970709	EP 91916905	A	19910917	199740	
			EP 96201601	A	19910917		
AU 681972	B	19970911	AU 9186204	A	19910917	199745	
			AU 9527225	A	19950727		
AU 682272	B	19970925	AU 9186204	A	19910917	199802	
			AU 9527226	A	19950727		
AU 685335	B	19980115	AU 9527226	A	19950727	199809	
			AU 9540632	A	19951222		



US 5812750	A	19980922	US 90583509	A	19900917	199845
			US 91797121	A	19911122	
			US 94216696	A	19940323	
			US 94355430	A	19941213	
			US 96623281	A	19960328	
			US 97824492	A	19970327	
EP 737920	B1	20000628	EP 91916905	A	19910917	200035
			EP 96201600	A	19910917	
EP 737921	B1	20000628	EP 91916905	A	19910917	200035
			EP 96201601	A	19910917	
DE 69132279	E	20000803	DE 632279	A	19910917	200044
			EP 96201600	A	19910917	
DE 69132280	E	20000803	DE 632280	A	19910917	200044
			EP 96201601	A	19910917	
US 6374293	B1	20020416	US 90583509	A	19900917	200232
			US 94243642	A	19940516	
			US 96616824	A	19960315	

Priority Applications (No Type Date): US 90583509 A 19900917; US 91788936 A 19911107; US 91790408 A 19911107; US 93101777 A 19930803; US 91789000 A 19911107; US 94243642 A 19940516; US 91797121 A 19911122; US 94216696 A 19940323; US 94355430 A 19941213; US 96623281 A 19960328; US 97824492 A 19970327; US 96616824 A 19960315

Cited Patents: No-SR.Pub; 2.Jnl.Ref; EP 347360; WO 8001615

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9205485	A	E	55		
				Designated States (National): AU JP	
				Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE	
AU 9186204	A			G06F-009/46	Based on patent WO 9205485
EP 549677	A1	E	55	G06F-009/46	Based on patent WO 9205485
				Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE	
US 5261044	A		22	G06F-015/62	Div ex application US 90583509
JP 6501118	W			G06F-013/00	Based on patent WO 9205485
US 5295244	A		22	G06F-015/20	Div ex application US 90583509
				Cont of application US 91790408	
AU 659101	B			G06F-015/16	Previous Publ. patent AU 9186204
				Based on patent WO 9205485	
US 5436909	A		20	G06F-011/30	Div ex application US 90583509
AU 9527225	A			G06F-011/30	Div ex application AU 9186204
US 5504921	A		20	G06F-011/30	Cont of application US 90583509
AU 9540632	A			G06F-015/173	Div ex application AU 9527226
EP 737920	A2	E	22	G06F-009/46	Div ex application EP 91916905
				Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE	
EP 737921	A2	E	22	G06F-009/46	Div ex application EP 91916905
				Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE	
EP 549677	B1	E	24	G06F-009/46	Based on patent WO 9205485
				Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE	
DE 69126666	E			G06F-009/46	Based on patent EP 549677
				Based on patent WO 9205485	
EP 737920	A3				Div ex application EP 91916905
EP 737921	A3				Div ex application EP 91916905
AU 681972	B			G06F-011/30	Div ex application AU 9186204
				Previous Publ. patent AU 9527225	
AU 682272	B			G06F-011/32	Div ex application AU 9186204
				Previous Publ. patent AU 9527225	
AU 685335	B			G06F-015/173	Div ex application AU 9527226
				Previous Publ. patent AU 9540632	
US 5812750	A			G06F-011/34	Cont of application US 90583509
					Cont of application US 91797121
					Cont of application US 94216696
					Cont of application US 94355430
					Cont of application US 96623281
					Cont of patent US 5559955
EP 737920	B1	E		G06F-009/46	Div ex application EP 91916905
					Div ex patent EP 549677
				Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE	
EP 737921	B1	E		G06F-009/46	Div ex application EP 91916905

Div ex patent EP 549677

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE  
DE 69132279 E G06F-009/46 Based on patent EP 737920  
DE 69132280 E G06F-009/46 Based on patent EP 737921  
US 6374293 B1 G06F-015/177 Cont of application US 90583509  
Cont of application US 94243642  
Cont of patent US 5504921

Abstract (Basic): WO 9205485 A

The network management system includes a user interface, a virtual network and a device communication manager. The virtual network includes models which represent network entities and model relations which represent relations between network entities. Each model includes network data relating to a corresponding entity and interference handlers to process the network data to provide **user information**.

The system performs a fault isolation technique so that the fault status can be suppressed when it is determined that the device is not defective. User displays include hierarchical location and topological views of the network configuration.

USE/ADVANTAGE - For e.g. LAN, token ring, or ethernet. Utilises models of network entities and their interrelationships. Can systematise knowledge of networking expert such that **common** problems can be detected, isolated and repaired, either automatically or by unskilled personnel.

Dwg.1/10

Title Terms: NETWORK; MANAGEMENT; SYSTEM; COMPUTER; COMMUNICATE; MODEL; BASED; INTELLIGENCE; RELATED; NETWORK; ENTITY; INTER; RELATED; ENTITY; FORM; VIRTUAL; NETWORK

Derwent Class: T01; W01

International Patent Class (Main): G06F-009/46; G06F-011/30; G06F-011/32; G06F-011/34; G06F-013/00; **G06F-015/16 ; G06F-015/173 ; G06F-015/177 ; G06F-015/20 ; G06F-015/62**

International Patent Class (Additional): G01R-031/08; G06F-003/14; G06F-011/22; G06F-013/40; G06F-017/40; H04L-012/24; H04L-012/26

File Segment: EPI

12/5/25 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008835997 \*\*Image available\*\*

WPI Acc No: 1991-340014/199146

XRPX Acc No: N91-260464

Multiple **processor computer** system - links individual computing units via shared memory areas providing full asynchronous two way communication

Patent Assignee: MATRA BAE DYNAMICS UK LTD (MATR-N); BRITISH AEROSPACE PLC (BRAX ); MATRA BAE DYNAMICS UK LTD (BRAX )

Inventor: CAMPBELL E R; SIMPSON H R

Number of Countries: 015 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9116681	A	19911031				199146 B
GB 2244356	A	19911127	GB 917865	A	19910412	199148
EP 477364	A	19920401	EP 91914886	A	19910412	199214
JP 4507160	W	19921210	JP 91507010	A	19910412	199304
			WO 91GB578	A	19910412	
GB 2244356	B	19940831	GB 917865	A	19910412	199432
US 5469549	A	19951121	WO 91GB578	A	19910412	199601
			US 91778073	A	19911209	
EP 477364	B1	19971022	EP 91914886	A	19910412	199747
			WO 91GB578	A	19910412	
DE 69128017	E	19971127	DE 628017	A	19910412	199802
			EP 91914886	A	19910412	
			WO 91GB578	A	19910412	

Priority Applications (No Type Date): GB 908366 A 19900412; GB 917865 A 19910412

CONSTITUTION: A packet **exchange** 5 is connected to host computers 1-4, and a network controller 10 is connected to terminal equipments 11-14 for host connection. When a fault is generated at an exclusive line as a high-order junction line, according to a call from a host device 5, the line is automatically controlled to be **switched** to a bypass line 16. When no call is originated/ incoming after the exclusive line is recovered, the line is automatically **switched** back from the bypass line 16. Low-order channels 11-14 are equipped with the functions of line monitor, priority control and PAD or the like for the unit of each line. As a network monitor device 15, the entire packet network is monitored and according to a command from the monitor device, **subscriber information** and file correction **information** is **changed**. Thus, automatic line backup is enabled by duplexing the public network bypass line and the exclusive line.

12/5/31 (Item 31 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03956038 \*\*Image available\*\*  
MULTIPROCESSOR SYSTEM

PUB. NO.: 04-321138 [JP 4321138 A]  
PUBLISHED: November 11, 1992 (19921111)  
INVENTOR(s): YAMASHITA ICHIRO  
APPLICANT(s): FUJI XEROX CO LTD [359761] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 03-090526 [JP 9190526]  
FILED: April 22, 1991 (19910422)  
INTL CLASS: [5] G06F-011/20; **G06F-015/16**  
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);  
45.4 (INFORMATION PROCESSING -- Computer Applications)  
JOURNAL: Section: P, Section No. 1510, Vol. 17, No. 153, Pg. 141,  
March 25, 1993 (19930325)

#### ABSTRACT

PURPOSE: To prevent the **change** of the continuous properties and the total number of processors in terms of the application in a **multiplrocessor system** even if a processor has a trouble and undergoes a degenerating operation.

CONSTITUTION: The processors 101-104 to which the **individual** continuous identification **information** are given respectively are connected to each other via the communication node elements 111-113 having the communication channel information. These node elements are **changed** so that the communication channel set to the processor having a trouble is **switched** to the communication channel set to a normal processor. Thus the identification information on those processors are apparently continuous and also the total number of processors is apparently fixed. Then the application requires no special processing even in a degenerating operation state.

12/5/32 (Item 32 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

03281786 \*\*Image available\*\*  
GRAPHIC INFORMATION EXPRESSING DEVICE

PUB. NO.: 02-257286 [JP 2257286 A]  
PUBLISHED: October 18, 1990 (19901018)  
INVENTOR(s): SADAOKA NAOYUKI  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 01-079819 [JP 8979819]  
FILED: March 29, 1989 (19890329)  
INTL CLASS: [5] **G06F-015/62**

JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JOURNAL: Section: P, Section No. 1151, Vol. 15, No. 15, Pg. 29,  
January 11, 1991 (19910111)

#### ABSTRACT

PURPOSE: To unnecessitate the supplying of the same display information again when graphic information is displayed again and to transmitting the intention of a sender to **another system** without changing the graphic information by storing display attributes to designate the designation of an effective part, the magnification ratio, the reduction ratio, and the rotation of a display graphic with the graphic information, or **transferring** them to **another system**.

CONSTITUTION: A display attribute attaching means 5 to supply the display information for the graphic **information** instructed by a **user** as the display attribute is provided, and a managing means 2 includes a means to **update** the content of a storage means 3 with the graphic information on which the display attribute is attached. In other words, the display attribute attaching means 5 supplies the display information for the graphic **information** instructed by the **user** to the managing means 2 as the display attribute, and the managing means 2 **updates** the content of the storage means 3 with the graphic information on which the display attribute is attached. In such a way, it is possible to dispense with the supplying of the same display information again when the graphic information is displayed again, and to transmit the intention of the sender to **another system** without changing the graphic information.

Set	Items	Description
S1	857	AU=(WHITE, S OR WHITE S)
S2	2304	AU=(FANG L? OR FANG, L?)
S3	0	S1 AND S2
S4	0	(S1 OR S2) AND (NETWORK()SERVICE?) AND (MULTIPLE? OR TWO OR 2 OR PLURALITY)(N)PROVIDER?
S5	0	(S1 OR S2) AND NETWORK? AND PROVIDER?
S6	96	(S1 OR S2) AND NETWORK?
S7	0	(S1 OR S2) AND (MULTIPL? OR PLURAL? OR SEVERAL? OR 2ND OR 2 OR TWO)()PROVIDER?
S8	12	S6 AND PROTOCOL?
S9	8	RD (unique items)
File	8: Ei Compendex(R)	1970-2003/Aug W1 (c) 2003 Elsevier Eng. Info. Inc.
File	35: Dissertation Abs Online	1861-2003/Jul (c) 2003 ProQuest Info&Learning
File	202: Info. Sci. & Tech. Abs.	1966-2003/Jul 31 (c) 2003, EBSCO Publishing
File	65: Inside Conferences	1993-2003/Aug W2 (c) 2003 BLDSC all rts. reserv.
File	2: INSPEC	1969-2003/Aug W1 (c) 2003 Institution of Electrical Engineers
File	94: JICST-EPlus	1985-2003/Aug W1 (c) 2003 Japan Science and Tech Corp(JST)
File	111: TGG Natl. Newspaper Index(SM)	1979-2003/Aug 14 (c) 2003 The Gale Group
File	233: Internet & Personal Comp. Abs.	1981-2003/Jul (c) 2003, EBSCO Pub.
File	6: NTIS	1964-2003/Aug W2 (c) 2003 NTIS, Intl Cpyrght All Rights Res
File	144: Pascal	1973-2003/Aug W1 (c) 2003 INIST/CNRS
File	434: SciSearch(R)	Cited Ref Sci 1974-1989/Dec (c) 1998 Inst for Sci Info
File	34: SciSearch(R)	Cited Ref Sci 1990-2003/Aug W1 (c) 2003 Inst for Sci Info
File	275: Gale Group Computer DB(TM)	1983-2003/Aug 14 (c) 2003 The Gale Group
File	47: Gale Group Magazine DB(TM)	1959-2003/Aug 06 (c) 2003 The Gale group
File	636: Gale Group Newsletter DB(TM)	1987-2003/Aug 14 (c) 2003 The Gale Group
File	624: McGraw-Hill Publications	1985-2003/Aug 13 (c) 2003 McGraw-Hill Co. Inc
File	484: Periodical Abs Plustext	1986-2003/Sep W1 (c) 2003 ProQuest
File	141: Readers Guide	1983-2003/Jul (c) 2003 The HW Wilson Co
File	696: DIALOG Telecom. Newsletters	1995-2003/Aug 13 (c) 2003 The Dialog Corp.
File	621: Gale Group New Prod. Annou. (R)	1985-2003/Aug 14 (c) 2003 The Gale Group
File	674: Computer News Fulltext	1989-2003/Aug W2 (c) 2003 IDG Communications
File	88: Gale Group Business A.R.T.S.	1976-2003/Aug 07 (c) 2003 The Gale Group
File	369: New Scientist	1994-2003/Aug W1 (c) 2003 Reed Business Information Ltd.
File	160: Gale Group PROMT(R)	1972-1989 (c) 1999 The Gale Group
File	635: Business Dateline(R)	1985-2003/Aug 14 (c) 2003 ProQuest Info&Learning
File	15: ABI/Inform(R)	1971-2003/Aug 14 (c) 2003 ProQuest Info&Learning
File	9: Business & Industry(R)	Jul/1994-2003/Aug 13 (c) 2003 Resp. DB Svcs.
File	13: BAMP	2003/Jul W4 (c) 2003 Resp. DB Svcs.

File 647: CMP Computer Full-Text 1988-2003/Jul W3

(c) 2003 CMP Media, LLC

File 98: General Sci Abs/Full-Text 1984-2003/Jul

(c) 2003 The HW Wilson Co

9/3,K/1 (Item 1 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

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06187718 E.I. No: EIP02457184146

**Title: The IP-based restoration algorithm for optical networks**

Author: Lin, Mianfeng; Mu, Chunbo; **Fang, Laifu** ; Zhang, Jie; Gu, Wanyi

Corporate Source: Beijing Univ. of Posts and Telecomm., Beijing, BJ 100876, China

Conference Title: Optical Networking

Conference Location: Beijing, China Conference Date: 20011113-20011115

E.I. Conference No.: 60074

Source: Proceedings of SPIE - The International Society for Optical Engineering v 4585 2001. p 147-152

Publication Year: 2001

CODEN: PSISDG ISSN: 0277-786X

Language: English

**Title: The IP-based restoration algorithm for optical networks**

Author: Lin, Mianfeng; Mu, Chunbo; **Fang, Laifu** ; Zhang, Jie; Gu, Wanyi

Abstract: One distributed restoration algorithm used to protect optical transport **networks** against **network** failures is proposed in the paper. The algorithm takes advantage of the existing IP **protocols** , and therefore it can restore the affected traffic in the distributed and efficiently manner. By carrying the wavelength availability information in **protocol** data unit, the algorithm can reserve the required capacities as well as search the restoration...

Descriptors: Optical communication; Fiber optic **networks** ; Internet; Algorithms; **Network protocols** ; Telecommunication traffic; Wavelength division multiplexing

Identifiers: Optical transport **networks** ; Restoration algorithm; Wavelength availability information; **Protocol** data unit; Restoration routing

9/3,K/2 (Item 2 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

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06184963 E.I. No: EIP02447178503

**Title: One lower limit protection time model for optical transport networks**

Author: Lin, Mian-Feng; **Fang, Lai-Fu** ; Cheng, Xiao-Fei; Zhang, Jie; Gu, Wan-Yi

Corporate Source: Beijing Univ. of Posts and Telecom., Beijing 100876, China

Source: Tien Tzu Hsueh Pao/Acta Electronica Sinica v 30 n 8 August 2002. p 1126-1129

Publication Year: 2002

CODEN: TTHPAG ISSN: 0372-2112

Language: Chinese

**Title: One lower limit protection time model for optical transport networks**

Author: Lin, Mian-Feng; **Fang, Lai-Fu** ; Cheng, Xiao-Fei; Zhang, Jie; Gu, Wan-Yi

Abstract: Based on the analysis on protection process protecting optical transport **network** in the condition of failure, one lower limit model for evaluating the protection and switching...  
...validated. The emulation result shows that the protection time severely depends on protection and switching **protocol** , and the effect of the switch time of optical switches on protection time is independent on **network** size. 9 Refs.

Descriptors: Optical communication; **Network protocols** ; Computer simulation; Optical switches; Switching systems; Telecommunication **networks** ; Calculations

Identifiers: Optical transport **networks** ; Protection time; Switching time

9/3,K/3 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7463793 INSPEC Abstract Number: B2003-01-6250F-054, C2003-01-5620W-039

**Title: Throughput estimation of users in GPRS networks based on packet data traffic modeling**

Author(s): Kwanwoo Kim; **Fang Liu** ; Kuo, C.-C.J.

Author Affiliation: Dept. of Electr. Eng., California Univ., Los Angeles, CA, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.4740 p.168-79

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 2002 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(2002)4740L.168:TEUG;1-0

Material Identity Number: C574-2002-283

U.S. Copyright Clearance Center Code: 0277-786X/02/\$15.00

Conference Title: Digital Wireless Communications IV

Conference Sponsor: SPIE

Conference Date: 1-2 April 2002 Conference Location: Orlando, FL, USA

Language: English

Subfile: B C

Copyright 2002, IEE

**Title: Throughput estimation of users in GPRS networks based on packet data traffic modeling**

Author(s): Kwanwoo Kim; **Fang Liu** ; Kuo, C.-C.J.

Descriptors: access protocols ; ...

...packet radio networks ;

Identifiers: GPRS networks ; ...

...RLC/MAC protocol layer

9/3,K/4 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7381137 INSPEC Abstract Number: B2002-10-6150M-126

**Title: Automatic neighbor discovery protocol for optical networks**

Author(s): Caixia Chi; Yaohui Jin; **Fang Liu** ; Juntao Ma; Ludi Zheng

Author Affiliation: Res. Dept., Lucent Technol. Bell Labs., China

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.4584 p.194-201

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 2001 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(2001)4584L.194:ANDP;1-E

Material Identity Number: C574-2002-091

U.S. Copyright Clearance Center Code: 0277-786X/01/\$15.00

Conference Title: APOC 2001: Asia-Pacific Optical and Wireless Communications. Optical Network Design and Management

Conference Sponsor: SPIE; COEMA-China Opt. & Optoelectron. Manuf. Assoc.;

MII- Minstr. Inf. Ind.; et al

Conference Date: 13-15 Nov. 2001 Conference Location: Beijing, China

Language: English

Subfile: B

Copyright 2002, IEE

**Title: Automatic neighbor discovery protocol for optical networks**

Author(s): Caixia Chi; Yaohui Jin; **Fang Liu** ; Juntao Ma; Ludi Zheng

Abstract: The automatic neighbor discovery protocol (ANDP) provides an automatic discovery and monitoring of the channel connections between two neighboring optical...



Descriptors: **network topology...**

...optical fibre **networks** ; ...

... **protocols** ;

Identifiers: automatic neighbor discovery **protocol** ; ...

...optical **networks** ;

9/3,K/5 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7381122 INSPEC Abstract Number: B2002-10-6260F-043

**Title: Functionality and fault simulations for transport plane of intelligent optical networking**

Author(s): Yaohui Jin; Ganfeng Bao; **Fang Liu** ; Dong Wang; Ludi Zheng

Author Affiliation: Bell Labs. Res. China, Lucent Technol., Beijing, China

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.4584 p.48-58

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 2001 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(2001)4584L:48:FFST;1-Q

Material Identity Number: C574-2002-091

U.S. Copyright Clearance Center Code: 0277-786X/01/\$15.00

Conference Title: APOC 2001: Asia-Pacific Optical and Wireless Communications. Optical Network Design and Management

Conference Sponsor: SPIE; COEMA-China Opt. & Optoelectron. Manuf. Assoc.; MII- Minstr. Inf. Ind.; et al

Conference Date: 13-15 Nov. 2001 Conference Location: Beijing, China

Language: English

Subfile: B

Copyright 2002, IEE

**Title: Functionality and fault simulations for transport plane of intelligent optical networking**

Author(s): Yaohui Jin; Ganfeng Bao; **Fang Liu** ; Dong Wang; Ludi Zheng

Abstract: The optical **network** essentially provides point-to-point connectivity between two end pieces of equipment that are directly attached to optical **network** edge in terms of a high bandwidth lightpath. There have been lots of proposals to enhance the intelligence of optical **network** as well as flexibility, reliability and scalability. However, it is difficult to validate, verify and evaluate these proposed **protocols** because they usually employ a distributed control mechanism, which requires a huge **network** testbed. One alternative to expensive hardware is the use of computer simulations. In this paper, we construct a functional and fault model for the transport plane of optical **networks** and implemented it in an optical **network** simulator prototype on the basis of our model. Finally, using the developed tool, we have evaluated our design of optical **network** management **protocol** (ONMP), which is a **network - network** -interface (NNI) optical **network** **protocol** in the control plane.

...Descriptors: intelligent **networks** ; ...

...optical fibre **networks** ; ...

... **protocols** ; ...

...telecommunication **network** management...

...telecommunication **network** reliability

...Identifiers: intelligent optical **networking** ; ...

...optical **network** ; ...

...optical **network** simulator prototype...

...optical network management protocol ; ...

... network - network -interface optical network protocol ; ...

...NNI optical network protocol ;

9/3,K/6 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6862076 INSPEC Abstract Number: B2001-04-6150M-044

**Title: Principle and realization of APS protocol of all-optical network**

Author(s): Wang Jian-quan; **Fang Lai-fu** ; Gu Wan-yi; Ji Yue-feng

Author Affiliation: Telecom Eng. Sch., Beijing Univ. of Posts & Telecommun., China

Journal: Journal of Beijing University of Posts and Telecommunications  
vol.23, no.4 p.45-9

Publisher: Beijing Univ. of Posts and Telecommunications,

Publication Date: Dec. 2000 Country of Publication: China

CODEN: BYXBV ISSN: 1007-5321

SICI: 1007-5321(200012)23:4L:45:PRPO;1-9

Material Identity Number: H161-2001-001

Language: Chinese

Subfile: B

Copyright 2001, IEE

**Title: Principle and realization of APS protocol of all-optical network**

Author(s): Wang Jian-quan; **Fang Lai-fu** ; Gu Wan-yi; Ji Yue-feng

Abstract: The difference between SDH and the all-optical network in the automatic protection switching (APS) protocol was discussed. The means to describe and implement the APS protocol were proposed. It is simple but perfect to describe and implement the APS protocol , and it is propitious to upgrade and proliferate the protocol .

Descriptors: optical fibre networks ; ...

... protocols ;

Identifiers: APS protocol ; ...

...all-optical network ;

9/3,K/7 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6536160 INSPEC Abstract Number: B2000-04-6130C-020, C2000-04-5260-046

**Title: Streaming of MPEG-4 speech/audio over Internet**

Author(s): **Fang Liu** ; Jitae Shin; Kuo, C.-C.J.; Tescher, A.G.

Author Affiliation: Dept. of Electr. Eng. Syst., Univ. of Southern California, Los Angeles, CA, USA

Conference Title: 1999 Digest of Technical Papers. International Conference on Consumer Electronics (Cat. No.99CH36277) p.300-1

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 1999 Country of Publication: USA 377 pp.

ISBN: 0 7803 5123 1 Material Identity Number: XX-1999-02141

U.S. Copyright Clearance Center Code: 0 7803 5123 1/99/\$10.00

Conference Title: 1999 Digest of Technical Papers. International Conference on Consumer Electronics

Conference Sponsor: Consumer Electron. Soc

Conference Date: 22-24 June 1999 Conference Location: Los Angeles, CA, USA

Language: English

Subfile: B C

Copyright 2000, IEE

Author(s): **Fang Liu** ; Jitae Shin; Kuo, C.-C.J.; Tescher, A.G.

...Abstract: system provides an architectural prototype for carriage of MPEG-4 data over the IP (Internet protocol) network via the RTSP (real time streaming protocol) and the RTP (real time protocol). MPEG-4 natural audio parametric coding functionalities are fully explored for the coding of speech...

...Descriptors: transport protocols

...Identifiers: Internet protocol ; ...

...IP network ; ...

...real time streaming protocol ; ...

...real time protocol ;

9/3,K/8 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5683856 INSPEC Abstract Number: B9710-6150M-025, C9710-5640-018

Title: Performance of TCP/IP over ABR service on ATM networks

Author(s): Kalyanaraman, S.; Jain, R.; Fahmy, S.; Goyal, R.; Fang Lu ; Srinidhi, S.

Author Affiliation: Dept. of Comput. & Inf. Sci., Ohio State Univ., Columbus, OH, USA

Conference Title: IEEE GLOBECOM 1996. Communications: The Key to Global Prosperity. Conference Record (Cat. No.96CH35942) Part vol.1 p.468-75 vol.1

Publisher: IEEE, New York, NY, USA

Publication Date: 1996 Country of Publication: USA 3 vol. (xvi+xxxiii+xvii+2169) pp.

ISBN: 0 7803 3336 5 Material Identity Number: XX96-02662

U.S. Copyright Clearance Center Code: 0 7803 3336 5/96/\$5.00

Conference Title: Proceedings of GLOBECOM'96. 1996 IEEE Global Telecommunications Conference

Conference Sponsor: IEEE Commun. Soc.; IEE; UKRI Commun. Chapter; BT; FUJITSU; ALCATEL Telecom; Braodband Technol.; NORTEL Northern Telecom; Lucent Technol.; ERICSSON

Conference Date: 18-22 Nov. 1996 Conference Location: London, UK

Language: English

Subfile: B C

Copyright 1997, IEE

Title: Performance of TCP/IP over ABR service on ATM networks

Author(s): Kalyanaraman, S.; Jain, R.; Fahmy, S.; Goyal, R.; Fang Lu ; Srinidhi, S.

...Abstract: transfer mode (ATM). It is hence interesting to study the performance of reliable data transport protocols like the "transport control protocol (TCP)" over ABR. We study the effect of running large unidirectional file transfer applications on...

...Descriptors: transport protocols

...Identifiers: ATM networks ; ...

...data transport protocols ; ...

...transport control protocol ;

Set	Items	Description
S1	52	AU={WHITE, S OR WHITE S}
S2	240	AU={FANG L? OR FANG, L?}
S3	0	S1 AND S2
S4	4	(S1 OR S2) AND IC={G06F-015/16}
S5	2	(S1 OR S2) AND NETWORK()SERVICE?
S6	16	(S1 OR S2) AND NETWORK?
S7	16	S6 OR S4
S8	16	IDPAT (sorted in duplicate/non-duplicate order)
S9	14	IDPAT (primary/non-duplicate records only)

File 344:Chinese Patents Abs Aug 1985-2003/Mar

(c) 2003 European Patent Office

File 347:JAPIO Oct 1976-2003/Apr(Updated 030804)

(c) 2003 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2003/Jul W03

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030807,UT=20030731

(c) 2003 WIPO/Univentio

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200352

(c) 2003 Thomson Derwent

9/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015357603 \*\*Image available\*\*

WPI Acc No: 2003-418541/200339

Related WPI Acc No: 2002-636944; 2002-636956; 2002-636960; 2002-643760;  
2002-643768; 2002-732983; 2003-090616; 2003-167073; 2003-418545;  
2003-531882

XRPX Acc No: N03-333938

**Computer network data access method involves manipulating data sets provided in contacts schema, based on user identities and corresponding roles with respect to data**

Patent Assignee: FANG L (FANG-I); HARTWELL A J (HART-I); KANNAN S (KANN-I); LUCOVSKY M (LUCO-I); TAYLOR M B (TAYL-I); WHITE S D (WHIT-I)

Inventor: **FANG L** ; HARTWELL A J; KANNAN S; LUCOVSKY M; TAYLOR M B; WHITE S D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030041065	A1	20030227	US 2001275809	P	20010314	200339 B
			US 200121316	A	20011022	

Priority Applications (No Type Date): US 2001275809 P 20010314; US 200121316 A 20011022

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030041065	A1		26	G06F-007/00	Provisional application US 2001275809

Abstract (Basic): US 20030041065 A1

NOVELTY - One or more data sets in a logical contacts schema that contain data according to associated identity information, each set of data in the logical contacts document structured to correspond to a field in the content document, are manipulated in response to a data access request.

USE - Used for accessing computer **network** data.

ADVANTAGE - Enables users to access their data based on their identities and corresponding roles with respect to the data, independent of the application program and device and enables to handle extended contact information.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of a generic data access model.

pp; 26 DwgNo 2/4

Title Terms: COMPUTER; **NETWORK** ; DATA; ACCESS; METHOD; MANIPULATE; DATA; SET; CONTACT; BASED; USER; IDENTIFY; CORRESPOND; RESPECT; DATA

Derwent Class: T01

International Patent Class (Main): G06F-007/00

File Segment: EPI

9/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015331965 \*\*Image available\*\*

WPI Acc No: 2003-392900/200337

Related WPI Acc No: 2003-362833; 2003-555303

XRPX Acc No: N03-314009

**Data item updating method in network database for banking system, involves updating data item in response to receiving item update request, when local copy of data item is verified as current copy**

Patent Assignee: JACOBS D B (JACO-I); MESSINGER A (MESS-I); WHITE S (WHIT-I); WOOLLEN R (WOOL-I); BEA SYSTEMS INC (BEAS-N)

Inventor: JACOBS D B; MESSINGER A; **WHITE S** ; WOOLLEN R; WOOLLEN R

Number of Countries: 101 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030046286	A1	20030306	US 2001316187	P	20010830	200337 B

US 2002211713 A 20020802  
WO 200321484 A2 20030313 WO 2002US27315 A 20020828 200337

Priority Applications (No Type Date): US 2001316187 P 20010830; US  
2002211713 A 20020802; US 2001316190 P 20010830; US 2002211712 A 20020802

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 20030046286 A1 16 G06F-007/00 Provisional application US 2001316187

WO 200321484 A2 E G06F-017/30

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU  
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

Abstract (Basic): US 20030046286 A1

NOVELTY - A data item request received by a **network** server (106) storing local copy of data item (116), is processed using the corresponding local copy. The data item is updated in a **network** database (114) in response to receiving the request, when the local copy of the data item to be updated is verified as a current copy, and notified to the other **network** servers.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) data item copy concurrency maintaining method;
- (2) computer readable medium storing data item updating program;
- (3) computer program product for updating data item;
- (4) computer system; and
- (5) data item updating system.

USE - For updating data item in database accessible over **networks** such as local area **network** (LAN), Ethernet, Internet, for banking system.

ADVANTAGE - Enables maintaining the concurrency in updating the data items, thereby improving the performance and scalable.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of data item updating system.

**network** server (106)

**network** database (114)

data item (116)

pp; 16 DwgNo 2/7

Title Terms: DATA; ITEM; UPDATE; METHOD; **NETWORK** ; DATABASE; BANK; SYSTEM;  
UPDATE; DATA; ITEM; RESPOND; RECEIVE; ITEM; UPDATE; REQUEST; LOCAL; COPY;  
DATA; ITEM; VERIFICATION; CURRENT; COPY

Derwent Class: T01; U14

International Patent Class (Main): G06F-007/00; G06F-017/30

File Segment: EPI

9/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015301899 \*\*Image available\*\*

WPI Acc No: 2003-362833/200334

Related WPI Acc No: 2003-392900; 2003-555303

XRPX Acc No: N03-289849

**Account balance consistency maintaining method used in networked account access system, involves updating account balance on network in response to request**

Patent Assignee: JACOBS D B (JACO-I); MESSINGER A (MESS-I); WHITE S (WHIT-I); WOOLLEN R (WOOL-I)

Inventor: JACOBS D B; MESSINGER A; **WHITE S** ; WOOLLEN R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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US 20030046230 A1 20030000 US 2001316190 P 20010830 00334 B  
US 2002211712 A 20020802

Priority Applications (No Type Date): US 2001316190 P 20010830; US  
2002211712 A 20020802

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 20030046230 A1 15 G06F-017/60 Provisional application US 2001316190

Abstract (Basic): US 20030046230 A1

NOVELTY - A request relating to account balance of a customer, is received by an account access system that stores a local copy of the account balance. The request is processed using the copy. The local copy is verified that it reflects the current account balance for the user. The account balance is updated on the **network** in response to the request.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) funds availability quickly verifying method;
- (2) quick electronic transactions providing method;
- (3) concurrency maintaining method;
- (4) concurrency assuring system; and
- (5) transaction allowing system.

USE - For maintaining account balance consistency in **networked** account access system.

ADVANTAGE - Enables to maintain concurrency in data item caching. Prevents overdrawing of the account, since the server makes any balance update predicted on the fact that the current balance is the same on the balance of the local copy of the account.

DESCRIPTION OF DRAWING(S) - The figure shows two portions of an approach in account balancing consistency maintaining method.

pp; 15 DwgNo 2/7

Title Terms: ACCOUNT; BALANCE; CONSISTENCY; MAINTAIN; METHOD; ACCOUNT;  
ACCESS; SYSTEM; UPDATE; ACCOUNT; BALANCE; **NETWORK** ; RESPOND; REQUEST  
Derwent Class: T01; T05; W01  
International Patent Class (Main): G06F-017/60  
File Segment: EPI

9/5/4 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015106554

WPI Acc No: 2003-167073/200316

Related WPI Acc No: 2002-636944; 2002-636956; 2002-636960; 2002-643760;  
2002-643768; 2002-732983; 2003-017993; 2003-090616; 2003-220433;  
2003-418541; 2003-418545; 2003-531882

XRPX Acc No: N03-132126

**Authorizing requesting entity to operate upon data structures e.g. for computer network security, comprises determining access permissions for requesting entity with respect to command method**

Patent Assignee: FANG L (FANG-I); HORVITZ E J (HORV-I); LUCOVSKY M H (LUCO-I); PIERCE S D (PIER-I); STECKLER P A (STEC-I)

Inventor: **FANG L** ; HORVITZ E J; LUCOVSKY M H; PIERCE S D; STECKLER P A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030023623	A1	20030130	US 2001275809	P	20010314	200316 B
			US 200117680	A	20011022	
			US 200299467	A	20020314	
			US 2002187063	A	20020628	

Priority Applications (No Type Date): US 2001275809 P 20010314; US  
200117680 A 20011022; US 200299467 A 20020314; US 2002187063 A 20020628

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 20030023623 A1 42 G06F-017/00 Provisional application US 2001275809

Abstract (Basic): US 20030023623 A1

NOVELTY - Authorizing a requesting entity to have a server perform a particular action in a manner that is partially independent of the underlying target data structure. An authorization station maintains a number of role templates that each define basic access permissions with respect to a number of command methods.

DETAILED DESCRIPTION - The authorization station also maintains a number of role definitions that each define access permissions for specific requesting entities by using one or more of the role templates. When the authorization station receives a request from the requesting entity, the authorization station then identifies the appropriate role definition. Using this role definition, the authorization station determines access permissions for the requesting entity with respect to the requested action.

INDEPENDENT CLAIM included for the following:

- (a) computer-readable medium;
- (b) computer program;
- (c) computer **network**

USE - For computer **network** security.

ADVANTAGE - Allows authorization of requesting entity to occur largely, independent of the type of the underlying data structure that is desired to be operated upon.

pp; 42 DwgNo 0/5

Title Terms: AUTHORISE; REQUEST; ENTITY; OPERATE; DATA; STRUCTURE; COMPUTER  
; **NETWORK** ; SECURE; COMPRISE; DETERMINE; ACCESS; REQUEST; ENTITY;  
RESPECT; COMMAND; METHOD

Derwent Class: T01

International Patent Class (Main): G06F-017/00

File Segment: EPI

9/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014823054 \*\*Image available\*\*

WPI Acc No: 2002-643760/200269

Related WPI Acc No: 2002-636944; 2002-636956; 2002-636960; 2002-643768;  
2002-732983; 2003-017993; 2003-090616; 2003-167073; 2003-220433;  
2003-418541; 2003-418545; 2003-531882

XRFX Acc No: N02-508836

**Method in a computer network for data access determining whether user should receive notification based on user preferences and context data**

Patent Assignee: FANG L (FANG-I); HORVITZ E J (HORV-I); LUCOVSKY M H (LUCO-I); PIERCE S D (PIER-I); STECKLER P A (STEC-I); WU W C (WUWC-I); AUERBACH D B (AUER-I); FORD P S (FORD-I); GEORGE S J (GEOR-I); GOPAL B (GOPA-I); GUU Y (GUUY-I); HOFFMAN W R (HOFF-I); HSUEH W C (HSUE-I); JACOBS J C (JACO-I); KALKI J (KALK-I); KANNAN S (KANN-I); KEIL K D (KEIL-I); LEACH P J (LEAC-I); MOVVA R (MOVV-I); SMOOT P M (SMOO-I); TAYLOR M B (TAYL-I); WARD R B (WARD-I); WHITE S D (WHIT-I); MICROSOFT CORP (MICT )

Inventor: **FANG L** ; HORVITZ E J; LUCOVSKY M H; PIERCE S D; STECKLER P A; WU W C; AUERBACH D B; FORD P S; GEORGE S J; GOPAL B; GUU Y; HOFFMAN W R; HSUEH W C; JACOBS J C; KALKI J; KANNAN S; KEIL K D; LEACH P J; MOVVA R; SMOOT P M; TAYLOR M B; WARD R B; WHITE S D

Number of Countries: 100 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200273454	A2	20020919	WO 2002US8061	A	20020314	200269 B
US 20030097485	A1	20030522	US 2001275809	P	20010314	200336
			US 200117680	A	20011022	
			US 200299467	A	20020314	
US 20030131073	A1	20030710	US 2001275809	P	20010314	200347
			US 200117680	A	20011022	



Priority Applications (No Type Date): US 200117680 A 20011022; US  
2001275809 P 20010314; US 200299467 A 20020314

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200273454 A2 E 115 G06F-017/21

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA  
ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

US 20030097485 A1 G06F-009/46 Provisional application US 2001275809

CIP of application US 200117680

US 20030131073 A1 G06F-015/16 Provisional application US 2001275809

Abstract (Basic): WO 200273454 A2

NOVELTY - The method involves receiving a notification directed to  
a client from an information source. The notification is regularized  
according to a notification schema. It is determined whether the user  
should receive the notification based on user preference and contact  
data. If so, a selected device is determined to receive the  
notification. The notification is sent to the selected device.

The method further involves obtaining information about the  
selected device from a device service, and modifying data of the  
notification based on the information about the selected device before  
sending the notification output to the selected device.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a  
computer readable medium and for a system.

USE - For computer **network** data access.

ADVANTAGE - Provides information to users from possibly many  
disparate information sources.

DESCRIPTION OF DRAWING(S) - The figure shows a notification  
platform that handles data regularized according to schemas to provide  
criteria-controlled notifications.

pp; 115 DwgNo 5/8

Title Terms: METHOD; COMPUTER; **NETWORK** ; DATA; ACCESS; DETERMINE; USER;  
RECEIVE; NOTIFICATION; BASED; USER; CONTEXT; DATA

Derwent Class: T01

International Patent Class (Main): G06F-009/46; **G06F-015/16** ; G06F-017/21

File Segment: EPI

9/5/6 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014816250 \*\*Image available\*\*

WPI Acc No: 2002-636956/200268

Related WPI Acc No: 2002-636944; 2002-636960; 2002-643760; 2002-643768;

2002-732983; 2003-017993; 2003-090616; 2003-167073; 2003-418541

XRPX Acc No: N02-503195

**Service-to-service communication for computer networks by configuring  
one service as publisher of user change data and second service as change  
data subscriber**

Patent Assignee: MICROSOFT CORP (MICT )

Inventor: **FANG L** ; WHITE S D

Number of Countries: 100 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200273442	A1	20020919	WO 2002US8063	A	20020314	200268 B
US 20030061365	A1	20030327	US 2001275809	P	20010314	200325
			US 200133177	A	20011022	

Priority Applications (No Type Date): US 200133177 A 20011022; US  
2001275809 P 20010314; US 200117680 A 20011022

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200273442 A1 E 125 G06F-015/16

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA  
ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

US 20030061365 A1 G06F-015/16 Provisional application US 2001275809

Abstract (Basic): WO 200273442 A1

NOVELTY - The system comprises one service providing access to data based on the associated identity of each user, a second service providing access to the data and a communications mechanism exchanging information between the two services. The first service is configured as a publisher of change data made by users by the first service, and a second service is configured as a subscriber of the change data. The mechanism communicates change information of the first service to the second including determination of the role of each subscribing user and filtering of the data based on each role.

USE - Method is for accessing centrally-stored user data.

DESCRIPTION OF DRAWING(S) - The figure shows publishers and subscribers interconnected via a service-to-service communication protocol.

pp; 125 DwgNo 6/20

Title Terms: SERVICE; SERVICE; COMMUNICATE; COMPUTER; **NETWORK** ; ONE;

SERVICE; USER; CHANGE; DATA; SECOND; SERVICE; CHANGE; DATA; SUBSCRIBER

Derwent Class: T01

International Patent Class (Main): G06F-015/16

File Segment: EPI

9/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014769542 \*\*Image available\*\*

WPI Acc No: 2002-590246/200263

XRPX Acc No: N02-468473

**Optical switch for use in telecommunication network , has several modules which include rotatable mirrors to deflect incoming light beam from one module to another module**

Patent Assignee: CARR C D (CARR-I); FANG L (FANG-I); HAHN M (HAHN-I);  
MALKANI D H (MALK-I)

Inventor: CARR C D; **FANG L** ; HAHN M; MALKANI D H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020085795	A1	20020704	US 2001752787	A	20010102	200263 B

Priority Applications (No Type Date): US 2001752787 A 20010102

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20020085795 A1 4 G02B-006/35

Abstract (Basic): US 20020085795 A1

NOVELTY - The modules (10) include respective housing (11) with rotatable mirrors (15). The modules are positioned such that the light beam received at one module is deflected to another module using rotatable mirrors.

USE - Optical switch used in telecommunication **network** .

ADVANTAGE - The need of large number of switches in the telecommunication **network** is eliminated, because the light beam are deflected from one module to another module using rotatable mirrors without the need of changing the optical signal into electrical signal. Thereby, low cost and high capacity switches are obtained.

DESCRIPTION OF DRAWING(S) - The figure shows a perspective view of the module.

Module (10)  
Housing (11)  
Rotatable mirror (15)  
pp; 4 DwgNo 1/2

Title Terms: OPTICAL; SWITCH; TELECOMMUNICATION; **NETWORK** ; MODULE;  
ROTATING; MIRROR; DEFLECT; INCOMING; LIGHT; BEAM; ONE; MODULE; MODULE  
Derwent Class: P81; V07; W01  
International Patent Class (Main): G02B-006/35  
File Segment: EPI; EngPI

9/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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014302259

WPI Acc No: 2002-122962/200217

XRPX Acc No: N02-092204

**Multistage interconnected optical exchange matrix structure without blocking absolutely and its control method**

Patent Assignee: UNIV BEIJING POST & TELECOM (UYBE-N)

Inventor: **FANG L** ; JI Y; ZHANG J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1318910	A	20011024	CN 2001115565	A	20010429	200217 B

Priority Applications (No Type Date): CN 2001115565 A 20010429

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CN 1318910	A		H04B-010/12	

Abstract (Basic): CN 1318910 A

NOVELTY - The present invention relates to channel configuration in optical communication **network** and is suitable for channel configuration of optical node. The main feature of the present invention is that 2x2 optical switches are connected via optical fiber to constitute m x m optical information exchange matrix and its control method is to find out different output ports by comparing the initial output state of the matrix and required output state and to determine to optical switches to be regulated and perform state conversion to obtain required output state through checking previous state array.

DETAILED DESCRIPTION - Compared with traditional table look-up method, the present invention has simplified routing and alogirhm, high efficiency and the features of being simple, accurate and fast.

DwgNo 0/0

Title Terms: MULTISTAGE; INTERCONNECT; OPTICAL; EXCHANGE; MATRIX; STRUCTURE ; BLOCK; ABSOLUTE; CONTROL; METHOD

Derwent Class: W01; W02

International Patent Class (Main): H04B-010/12

International Patent Class (Additional): H04Q-011/00

File Segment: EPI

9/5/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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014058051

WPI Acc No: 2001-542264/200161

XRPX Acc No: N01-403120

**Simultaneous interpreting system in mobile communication**

Patent Assignee: YINGYEDA GROUP ELECTRONIC TECHNOLOGY CO (YING-N)

Inventor: **FANG L** ; QIU Q

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1301118	A	20010627	CN 99125700	A	19991222	200161 B

Priority Applications (No Type Date): CN 99125700 A 19991222

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CN 1301118	A		H04Q-007/20	

Abstract (Basic): CN 1301118 A

NOVELTY - A simultaneous interpreting system in mobile communication is composed of mobile telephone with value-added service implemented by communication **network** system, communication server for processing the service demand of mobile telephone and providing a relative answer to it via **network** system, and dictionary looking-up module for looking-up the single words and outputting the result to communication server.

DwgNo 0/0

Title Terms: SIMULTANEOUS; INTERPRETATION; SYSTEM; MOBILE; COMMUNICATE

Derwent Class: W01; W02

International Patent Class (Main): H04Q-007/20

File Segment: EPI

9/5/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013957738 \*\*Image available\*\*

WPI Acc No: 2001-441952/200147

XRPX Acc No: N01-326864

**Distributed home automation system, involves receiving request at devices to configure devices as scene**

Patent Assignee: C-SMART LLC (CSMA-N); FINCH M A (FINC-I); SMITH S C (SMIT-I); C-SMART CORP (CSMA-N)

Inventor: FINCH M A; SMITH S C; BAKER B D; GONZALES G; **WHITE S** ; SWENSEN A C

Number of Countries: 094 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200150684	A1	20010712	WO 2000US35534	A	20001229	200147 B
AU 200122951	A	20010716	AU 200122951	A	20001229	200169
US 20010032777	A1	20011025	US 99173741	P	19991230	200170
			US 2000751380	A	20001229	
US 20030040812	A1	20030227	US 99173741	P	19991230	200318
			US 2000751383	A	20001229	
			US 2001955570	A	20010917	
			US 2002154425	A	20020522	
US 20030040813	A1	20030227	US 99173741	P	19991230	200318
			US 2000751383	A	20001229	
			US 2001955570	A	20010917	
			US 2002154448	A	20020522	
US 20030040819	A1	20030227	US 99173741	P	19991230	200318
			US 2000751383	A	20001229	
			US 2001955570	A	20010917	
			US 2002153419	A	20020522	
US 20030074088	A1	20030417	US 99173741	P	19991230	200329
			US 2000751383	A	20001229	
			US 2001955570	A	20010917	
			US 2002154403	A	20020522	

Priority Applications (No Type Date): US 99173741 P 19991230; US 2000751380 A 20001229; US 2000751383 A 20001229; US 2001955570 A 20010917; US 2002154425 A 20020522; US 2002154448 A 20020522; US 2002153419 A 20020522 ; US 2002154403 A 20020522

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200150684	A1	E 60	H04L-012/28	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA

CH CN CR CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200122951 A H04L-012/28 Based on patent WO 200150684  
US 20010032777 A1 H01H-015/02 Provisional application US 99173741

US 20030040812 A1 G05B-011/01 Provisional application US 99173741

Cont of application US 2000751383  
CIP of application US 2001955570

US 20030040813 A1 G05B-011/01 Provisional application US 99173741

Cont of application US 2000751383  
Cont of application US 2001955570

US 20030040819 A1 G05B-015/00 Provisional application US 99173741

Cont of application US 2000751383  
CIP of application US 2001955570

US 20030074088 A1 G05B-011/01 Provisional application US 99173741

Cont of application US 2000751383  
CIP of application US 2001955570

Abstract (Basic): WO 200150684 A1

NOVELTY - The method involves receiving a request at one of the devices to configure the devices as a scene. Each device (6, 8, 10, 12, 14) participating in a home automation system is equipped with control logic providing distributed control. Through the control logic, each device maintains scene definitions describing the state of the device for each scene in which it participates.

DETAILED DESCRIPTION - When any device in the system receives a request to launch a scene, such as a button press on one of the devices, the device broadcasts a scene state change message to all devices within the home automation system (2). The scene state change message identifies to each device a particular scene that should be launched. Each device in the system receives the message and determines whether the device is a participant in the scene. If the device is a participant in the scene, the device adjusts its state according to a scene definition stored in the device associated with the scene. An INDEPENDENT CLAIM is included for a computer readable medium, and a microprocessor controlled device

USE - For home automation systems. For providing distributed control of home automation system and couple connectivity of **networked** products

ADVANTAGE - Eliminates single point of failure found in previous home automation systems. Utilizes minimal scene production message traffic, reducing and delay found in previous systems between the time trigger event is received and when last scene member is activated

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram showing an illustrative home automation system which provides an operating environment for an embodiment of the invention.

Home automation system (2)

Devices (6, 8, 10, 12, 14)

pp; 60 DwgNo 1/17

Title Terms: DISTRIBUTE; HOME; AUTOMATIC; SYSTEM; RECEIVE; REQUEST; DEVICE; CONFIGURATION; DEVICE; SCENE

Derwent Class: U21; W01

International Patent Class (Main): G05B-011/01; G05B-015/00; H01H-015/02; H04L-012/28

International Patent Class (Additional): G01M-001/38; G05B-013/00;

G05B-019/42; G05B-021/00; G05D-023/00

File Segment: EPI

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WPI Acc No: 2001-032498/200105

XRPX Acc No: N01-025419

**Multi-point multimedia communication system with private lines**

Patent Assignee: HUAWEI TECHNOLOGY CO LTD SHENZHEN CITY (HUAW-N)

Inventor: **FANG L** ; XUE S; ZHOU Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1262564	A	20000809	CN 99100479	A	19990129	200105 B

Priority Applications (No Type Date): CN 99100479 A 19990129

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CN 1262564	A		H04L-012/40	

Abstract (Basic): CN 1262564 A

NOVELTY - A multi-point multimedia communication system with private line is composed of communication **network** of bus type, multimedia terminals and multi-point switch. Their communication interface is multiplexer (MUX). More than one multimedia terminals conected serially can be connected to private line. The MUX interface can synchronously process remote signals. Serially connected all multimedia terminals are connected with a terminal switching device to control the MUX in outer ring or non-outer ring state for broad cast. Said terminal switch device consists of modems, public telephone **network** and terminal state switching unit. Its advantages are high universal nature and low **networking** cost.

DwgNo 0/0

Title Terms: MULTI; POINT; COMMUNICATE; SYSTEM; PRIVATE; LINE

Derwent Class: W01

International Patent Class (Main): H04L-012/40

International Patent Class (Additional): H04L-029/06

File Segment: EPI

**9/5/12 (Item 12 from file: 348)**

DIALOG(R)File 348:EUROPEAN PATENTS

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01498524

**SERVICE-TO-SERVICE COMMUNICATION FOR NETWORK SERVICES**

**COMMUNICATION DE SERVICE A SERVICE POUR DES SERVICES DE RESEAU**

PATENT ASSIGNEE:

MICROSOFT CORPORATION, (749866), One Microsoft Way, Redmond, WA 98052,  
(US), (Applicant designated States: all)

INVENTOR:

WHITE, Steven, D., 6122 144th PI SE, Bellevue, WA 98006, (US)

**FANG, Lijiang** , 23618 NE 25th Way, Sammamish, WA 98074, (US

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011022

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LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

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Application: 021113 A1 International application entering European  
phase

LANGUAGE (Publication,Procedural,Application): English; English; English